COPY

No. COX 00-031 May 05, 2000

Bulletin for VIOXX: New PIRs Relative to VIOXX GI Outcomes Research Study

TO:

All field personnel with responsibility for VIOXX®

Action Required

PURPOSE:

In response to recent published reports about VIOXX, Medical Services has been working to provide a rapid response to physicians unsolicited requests for information.

Effective Monday morning, May 8, a new PIR that will include incidence rate of MIs with VIOXX will be available from Medical Services via an interactive voice response (IVR) same day fax service to address your customers concerns. As a result of this PIR being available from Medical Services via same day fax to your customers, you may no longer print and distribute the PIR provided to you via Bulletin COX00-019.

OVERVIEW:

In response to recent published reports about VIOXX, on May 1, 2000, we provided you with an approved verbal response to use to address customers questions around the incidence rate of MIs on patients taking VIOXX via Bulletin COX00-029. Follow the directions on Bulletin COX00-029 for using that information. Now that you have this information to respond to questions from your customers (verbally) and the new PIR with incidence rate of MIs is available from Medical Services via same day fax, you may no longer distribute the printable PIR provided to you via Bulletin COX00-19 to your customers.

In addition, Medical Services has developed a PIR to assist physicians in responding to patients' questions that arise as a result of the news coverage. This PIR is also available from Medical Services via the IVR same day fax service.

ACTION REQUIRED:

- Immediately discontinue distribution of the printable PIR provided to you via Bulletin COX00n19
- Review the Obstacle Responses around the incidence rate of MIs with VIOXX provided to
- you via Bulletin COX00-029.

 When a physician requests information on the VIOXX GI outcomes research trial or has a patient with concerns regarding COX2 Inhibitors, you may submit a request for a PIR by simply calling 877-372-7064 (8:00 A.M. to 10:00 P.M. EST) that will link you to an interactive voice response service for the Medical Services PIR request line. A touch tone phone must be used to provide the following information:
 - Your B digit RDT
 - Physician's 5 digit ZIP code
 - Physician's full name and professional degree
 - Physician's full mailing address
 - Physician's phone number
 - Physician's FAX number

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MRK-ABR 0017344

- Select one or both of the requested PIRs entitled:

 A brief summary of VIGOR (Note This is the new PIR which includes incidence rate of MIs with VIOXX that replaces the printable PIR

 previously provided to you.)
 - Data to address a patient's concerns about COX2 inhibitors
- You should only call 877-372-4668 (8:00 A.M. to 8:00 P.M. EST), if you experience difficulty with the interactive voice response system. A staff member will be available to help you.

IF YOU HAVE ANY QUESTIONS CONCERNING THIS BULLETIN, PLEASE CONTACT THE MERCK NATIONAL SERVICE CENTER AT 1-800-NSC-MERCK.



No. COX 00-032 May 08, 2000



REVISED Bulletin for VIOXX: New PIRs Relative to VIOXX GI Outcomes Research Study

TO:

All field personnel with responsibility for VIOXX®(rofecoxib).

Action Required

PURPOSE:

This bulletin replaces COX 00-031. The phone number for the Medical Services PIR FAX Request Line has not changed. The bulletin was updated to reflect the new technical (IVR) support number which you should call if you are having difficulty with the interactive voice response system.

In response to recent published reports about VIOXX, Medical Services has been working to provide a rapid response to physicians unsolicited requests for information.

Effective Monday morning, May 8, a new PIR that will include incidence rate of MIs with VIOXX will be available from Medical Services via an interactive voice response (IVR) same day fax service to address your customers concems. As a result of this PIR being available from Medical Services via same day fax to your customers, you may no longer print and distribute the PIR provided to you via Bulletin COX00-019.

OVERVIEW:

In response to recent published reports about VIOXX, on May 1, 2000, we provided you with an approved verbal response to use to address customers questions around the incidence rate of MIs on patients taking VIOXX via Bulletin COX00-029. Follow the directions on Bulletin COX00-029 for using that information. Now that you have this information to respond to questions from your customers (verbally) and the new PIR with incidence rate of MIs is available from Medical Services via same day fax, you may no longer distribute the printable PIR provided to you via Bulletin COX00-19 to your customers.

In addition, Medical Services has developed a PIR to assist physicians in responding to patients' questions that arise as a result of the news coverage. This PIR is also available from Medical Services via the IVR same day fax service.

ACTION REQUIRED:

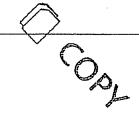
- Immediately discontinue distribution of the printable PIR provided to you via Bulletin
- Review the Obstacle Responses around the incidence rate of Mis with VIOXX provided to you via Bulletin COX00-029.
- When a physician requests information on the VIOXX GI outcomes research trial or has a patient with concerns regarding COX2 Inhibitors, you may submit a request for a PIR by simply calling the Medical Services PIR Request Line toll free at 877-372-7064 (8:00 A.M. to 10:00 P.M. EST). Since this line is an interactive voice response system, a touch tone phone must be used to provide the following information:
 - Your 8 digit RDT
 - Physician's 5 digit ZIP code

- Physician's full name and professional degree
- Physician's full mailing address
- Physician's phone number with area code
- Physician's FAX number with area code
- Select one or both of the requested PIRs entitled:
 - A brief summary of VIGOR (Note This is the new PIR which includes incidence rate of Mis with VIOXX that replaces the printable <u>PIR</u> previously provided to you.)
 - Data to address a patient's concerns about COX2 inhibitors
- These two PiRs will be faxed directly to the requesting physician's office as a 'nonpersonalized letter'. You will need to leave a copy of the circular for VIOXX with the physician.
- If you experience difficulty with the interactive voice response system, please call the toll free
 phone number established only for this process, <u>IVR help line at BBB-721-7204 (8:00 A.M. to
 8:00 P.M. EST)...</u> A staff member will be available to help you.
- For other questions concerning VIOXX requested by your physician, please follow the usual PIR procedures. These PIRs will continue to be 'personalized' with the physician's name, and you will receive a copy, as per usual PIR procedures. (See Policy 104)

IF YOU HAVE ANY QUESTIONS CONCERNING THIS BULLETIN, PLEASE CONTACT THE MERCK NATIONAL SERVICE CENTER AT 1-800-NSC-MERCK.

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No. COX 01-007 Feb 09, 2001



Bulletin for VIOXX[®]: FDA Arthritis Advisory Committee Meeting for VIOXX®

TO:

All field personnel with responsibility for VIOXX® National Account Executives and Customer Managers (All Segments)

Action Required Background Information

DO NOT INITIATE DISCUSSIONS ON THE FDA ARTHRITIS ADVISORY COMMITTEE (ADVISORY COMMITTEE) REVIEW OR THE RESULTS OF THE VIDXX® GI OUTCOMES RESEARCH (VIGOR) STUDY. YOU MAY RESPOND TO CUSTOMER INQUIRIES ONLY AS OUTLINED BELOW.

Introduction:

As previously communicated in June 2000, Merck submitted a supplemental NDA for VIOXX based upon the VIOXX GI Outcomes Research study (VIGOR). In this study, VIOXX 50mg daily significantly reduced the risk of serious gastrointestinal side effects by 54% vs. naproxen 1000mg daily. On Thursday, Feb 8, Merck and the FDA reviewed the study with the FDA's Arthritis Advisory Committee.

The purpose of this bulletin is to provide you with important, updated background information based on the results of this meeting and actions required by you.

Action Required:

- 1. Stay focused on the EFFICACY messages for VIOXX
- 2. Utilize the PIR system to respond to unsolicited physician inquiries
- 3. Review the updated background Q&A
- 4. Review the updated obstacles and responses for your physicians
- 5. Do not initiate discussions or respond to questions, except as outlined below

Stay Focused on Efficacy

It is critical that we remain focused on the 1S HI NSAID and HI COXIB messages for VIOXX with our targeted physicians. As discussed at your 1S District Meetings, both the OA efficacy data and the new acute pain narcotic efficacy data for VIOXX will continue to solidify the efficacy perception of VIOXX. Use the new core visual aid for VIOXX and the

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MRK-ABR 0017219

OA Efficacy Stock Bottle Challenge program to challenge physicians to gain experience with the 24 hour efficacy of VIOXX.



Physician Inquiries:

In response to <u>unsolicited</u> requests for information regarding VIGOR, Medical Services will make a personalized, faxable PIR available for your customers within 24 hours. In addition, for those customers who request additional information, a separate, more comprehensive PIR packet can be Federal Expressed within 2 days.

Medical Services has made arrangements to extend the hours for the PIR hotline. Representatives should submit unsolicited PIR requests by either telephone or fax options from 2/9 through 2/23 by calling the PIR hotline 800MERCK66 (800-637-2566) during extended hours of 8:30 am to 6:30pm ET. During these hours, a staff member will verbally request the following information from you to process the PIR request from the HCP [After this time, the usual method options of INSIGHT, PIR hotline (800MERCK 66 — hours: 8:30 — 4:30pm ET) and fax can be followed].

Faxable PIR Instructions:

- Your name, field title and RDT
- The requesting HCP's full name and professional degree
- HCP's full mailing address
- HCP's phone number
- HCP's FAX number
- Provide the question(s) asked by the HCP.

PIR Requests may also be sent to Medical Services from 4:30 pm — 8:30am ET by leaving a voice message at 800MERCK66. The information as listed above should be provided in your voice message to Medical Services staff. Additionally, PIR requests may be submitted to Medical Services in writing by sending a fax to 800MERCk68. The information listed above should be included on your fax to Medical Services.

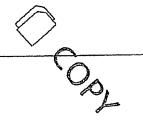
In Summary:

- If requested, a summary of the PIR will be faxed within 24 hours of receiving the request.
- If the physician requests more comprehensive information on the VIGOR study, you may request the comprehensive PIR. This will be sent via Fed EX within 2 days.
- Transition your discussion to the current strategy and messages for VIOXX®
- <u>Do not proactively discuss the Advisory Committee Meeting or VIGOR</u>. Respond to
 questions about the study by requesting a PIR and in accordance with the obstaclehandling guide.

Updated Q&A Guide:

This is background information only.





Updated Obstacle Responses:



These updated obstacles are provided for your reference and preparation for questions asked by your physicians.

This information is provided for your background information only and is not to be used in discussions with physicians.

Background Information:

Merck issued a press release summarizing the FDA Advisory Committee Meeting held on Feb 8. The press release is attached below for your background information only:

GAITHERSBURG, Md., Feb. 8, 2001 – The Arthritis Advisory Committee of the Food and Drug Administration today reviewed Merck & Co., Inc.'s application for changes to the prescribing information for Vioxx® (rofecoxib), Merck's medicine for osteoarthritis and acute pain, to reflect results from the Vioxx Gastrointestinal Outcomes Research (VIGOR) study.

The Advisory Committee agreed with Merck and the FDA that results from the study should be included in the labeling for Vioxx. The FDA is not obligated to follow the advice of the Advisory Committee, but usually does. The FDA noted that it will consider all available information, including the information reported and advice received at today's Advisory Committee meeting, before any final decisions are made on Merck's application and other issues discussed by the Committee

"Merck is confident that the data presented today support the excellent safety profile of Vioxx, and we look forward to further discussions with the FDA to complete the review of our application to modify the labeling for Vioxx," said Eve Slater, M.D., senior vice president, Clinical and Regulatory Development, Merck Research Laboratories.

Vioxx was approved by the FDA in May 1999 to treat osteoarthritis and acute pain.

The prescribing information for Vioxx currently contains the standard NSAID Warning about Gt side effects. Merck's application to the FDA was based on the 8,000-patient VIGOR

study, which evaluated the GI profile of Vioxx 50 mg compared to the non-selective NSAID naproxen, and on other studies with Vioxx.

In VIGOR, Vioxx 50 mg, a dose two-times the highest chronic dose approved for osteparthritis, significantly reduced serious GI side effects by half compared to a commonly used dose of naproxen (1,000 mg) in rheumatoid arthritis patients. The Committee recommended that these results be included in the labeling. Vioxx is not indicated for rheumatoid arthritis.

Although the VIGOR study was a GI outcomes study and was not designed to show differences in cardiovascular effects, significantly fewer heart attacks were observed in patients taking naproxen (0.1 percent) compared to the group taking Vioxx 50 mg (0.5 percent) in this study. There was no difference in cardiovascular mortality between the groups treated with Vioxx or naproxen. Patients taking aspirin did not participate in VIGOR.

In extensive discussions, the Advisory Committee explored this finding, other studies of Vioxx and possible explanations for this result in VIGOR. In the completed osteoarthritis trials and on-going clinical trials with Vioxx 12.5 mg, 25 mg and 50 mg in 30,000 patients. there was no difference in the incidence of cardiovascular events, such as heart attacks. among patients taking Vioxx, other NSAIDs and placebo.

Merck scientists said the VIGOR finding is consistent with naproxen's ability to block platelet aggregation by inhibiting COX-1 like aspirin, which is used to prevent second cardiac events in patients with a history of heart attack, stroke or other cardiac events. This is the first time this effect of naproxen on cardiovascular events has been observed in a clinical study. Other explanations were advanced by the FDA reviewer and were discussed with the Advisory Committee. The Committee recommended that the data on cardiovascular events in VIGOR be included in the labeling for Vioxx.

In addition, the Committee agreed that the prescribing information for both Vioxx and Celebrex® (celecoxib) should reflect the fact that neither of these selective NSAIDs confer cardioprotective benefits and are not a substitute for low-dose aspirin. The Committee also recommended that other studies be conducted to further explore the safety of concomitant use of selective NSAIDs and low-dose aspirin.

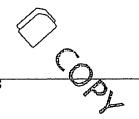
Focus:

Remain focused on your efficacy messages for VIOXX. Remember that the primary attribute that physicians and patients are seeking is pain relief.

For questions regarding this bulletin please contact your Business
Manager. For product and service information, call the Merck National
Service Center at 1-800-NSC MERCK (1-800-672-6372).

Q&A-Field Personnel

FOR BACKGROUND USE ONLY DO NOT DISCUSS WITH OR SHOW TO PHYSICIANS



Was there a relationship between hypertension and MI and stroke in VIGOR?

No. In VIGOR there was no correlation between hypertension adverse experiences and MI. Neither was there any difference in the incidence of stroke between patients taking VIOXX and naproxen.

What was the incidence of stroke in VIGOR?

The rate of stroke was low and did not differ between the two groups.

Did you see edema and hypertension in the VIOXX GI Outcomes Study?

Yes. In VIGOR, the rates of edema and hypertension were consistent with what was seen in the Phase III trials that evaluated the chronic use of VIOXX 50 mg and what is in our current label. All NSAIDs work by inhibiting COX-2 and have effects on the kidney to some degree. These effects are understood to be mechanism-based and applicable to all NSAIDs. These effects were usually reversible upon discontinuation of therapy and only rarely resulted in patients' discontinuing from medication.

Busikon resentalnigen inomitedis mistis densonsensis dibunche sitar oppide nex (D) et "

Clarify: Dr., specifically what safety concerns are you referring to?

If the physicians' concern is CV safety, refer to the updated obstacle #38 (below)

If the physicians' concern is GI safety, refer to obstacle # 26

For all other obstacle responses, please refer to your Reference Binder for VIOXX:

- -If the physician's concern is related to concomitant use of VIOXX and low-dose aspirin, refer to obstacle #7
- -If the physician's concern is related to cardiovascular effects, such as MI's or the worsening of CHF, refer to obstacle #23
- -If the physician's concern is related to renal effects or hypertension, refer to obstacle #4 or #31.

38. "I just read in the news that there is a concern about VIOXX and the incidence of heart attacks."

"Doctor, What you may be referring to is a press report addressing the VIOXX GI
Outcomes Trial (VIGOR), reviewed at the FDA's Arthritis Advisory Committee
Meeting. This was an 8000 patient study designed to evaluate the GI safety of VIOXX compared to the NSAID naproxen. All of the primary endpoints were met. However, because the study is not in the label, I cannot discuss the study with you. I would be happy to submit your question to our medical services department."

Note: You can also refer to the Cardiovascular System non-leave sales aid (OAN # 0013905) that reviews the cardiovascular profile of VIOXX as demonstrated in Phase IIb/III osteoarthritis studies. The results from VIGOR are not included in this piece.

7. Can VIOXX be used in patients using low dose aspirin?

There is no contraindication for concomitant use with low-dose aspirin.

Let me share with you the experience we have on the concomitant use of once daily VIOXX and low-dose aspirin. At steady state, once daily VIOXX 50mg had no effect on the anti-platelet activity of low-dose (81 mg once daily) aspirin.

I should also remind you that once daily VIOXX is not a substitute for aspirin for cardiovascular prophylaxis and the concomitant administration of low-dose aspirin with once daily VIOXX may result in an increased risk of GI ulceration or other complications compared with use of once daily VIOXX alone.

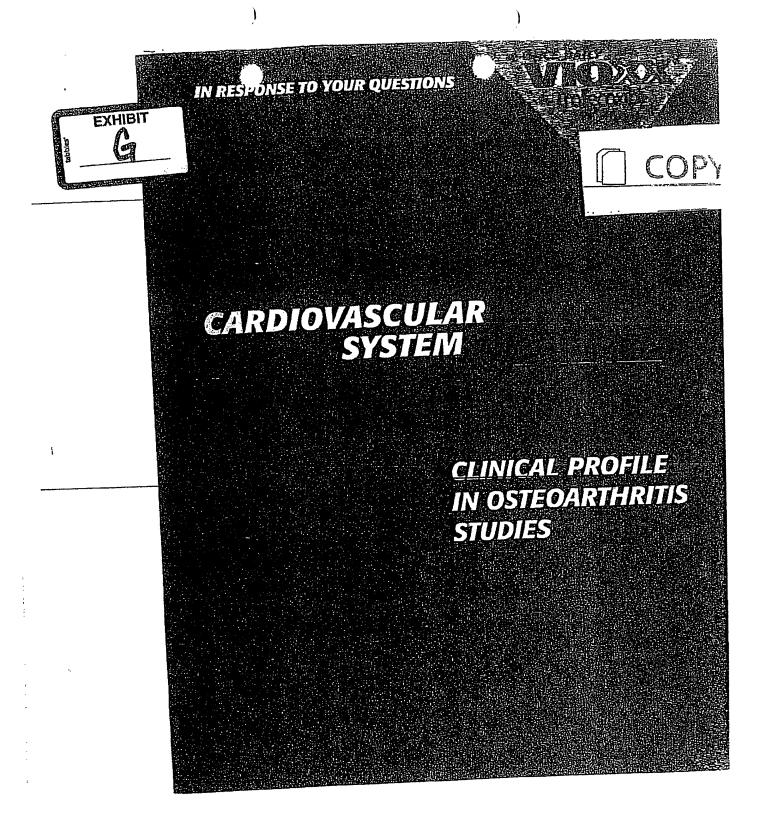
		Page 1	
	1	IN THE UNITED STATES DISTRICT COURT EXHIBIT	
:. W	2	NORTHERN DISTRICT OF ALABAMA	
	3	SOUTHERN DIVISION	
	4	WILLIAM COOK,)	
	5	Plaintiff,)	
	6		
	7	VS.) CIVIL ACTION NO:	
	8	MERCK & COMPANY, INC.)CV 02-RRA-2710-S	-
	9	et al.,	
	10) DEPOSITION OF:	
	11	Defendant.) REID S. CHRISTOPHER,	
	12	M.D.	
in with	13		
	14	STIPULATIONS	_
	15.	IT IS STIPULATED AND AGREED, by and	-
	16	between the parties through their	
	17	respective counsel, that the deposition	
	18	of:	
	19	REID S. CHRISTOPHER, M.D.,	
	20	may be taken before Sandra Bain Moon,	
	21	Commissioner and Notary Public, State at	
	22	Large, at Internal Medicine West, 1088 9th	
	23	Ave. S.W., Suite 104, Bessemer, Alabama	\bigvee
			11

	Page 111
1	Q Yes, sir.
2	A Four years ago. Chronologically
3	remember exactly when it came out, Lord,
4	no. I just remember coming up with the
5	decision that it was safe.
6	Q Do you remember being handed more
7	than one article by a Merck sales rep
8	regarding Vioxx and cardiovascular
9	incidence? That's a "no" for the record?
10	A I'm sorry. No, I don't recall.
11	Q You received one article?
12	A Didn't say that. I don't know how
13	many I received.
14	Q Do you know you received at least
15	one?
16	A Yeah.
17	Q Is there any way for you to judge or
18	estimate how many you may have received
19	from a Merck sales rep?
20	A One or two.
21	Q When you read a medical journal, do
22	you generally investigate the conflict of
23	interest section of the article?

Fax: 205-251-4824 BAIN & ASSOCIATES COURT REPORTING SERVICES, INC. Phone: 205-322-0592

	Page 11
1	MS. DOWNS: Can you spell that
2	doctor's name?
3	THE WITNESS: Kreisberg,
4	K-R-E-I-S-B-E-R-G. I think he's back in
5	Mobile now.
6	Q Did you ever discuss with Merck
7	sales reps the cardiovascular safety of
8	Vioxx?
9	A Yes.
10	Q On how many occasions?
11	A Numerous.
12	O Were those conversations that you
1.3	initiated or that they initiated?
14	A Probably both.
15	Q Were you ever informed by a Merck
16	sales rep that they were forbidden to speak
17	with you about cardiovascular risks of
18	Vioxx?
19	A Not that I recall.
20	Q Do you believe that they did discuss
21	with you cardiovascular risks associated
i	with Vioxx or not associated with Vioxx?
23	A I believe so.
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Fax: 205-251-4824 BAIN & ASSOCIATES COURT REPORTING SERVICES, INC. Phone: 205-322-0592



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CARDIOVASCULAR EVENT PROFILE

Cardiovascular thromboembolic adverse events in OA clinical trials.

- The overall incidence of cardiovascular thromboembolic adverse events was assessed. This
 review included events pertaining to cardiac (i.e., MI, angina), central nervous (i.e., CVA, TIA),
 and peripheral vascular (i.e., arterial embolism) systems.
- Due to the variable duration of treatment in the studies, results are expressed as events per 100 patient-years.

Cardiovascular Thromboembolic Adverse Events per 100 Patient-Years

Cardiovasculi	Placebo	VIOXX	VIOXX 25 mg	VIOXX* 50 mg	Ibuprofen 2400 mg	Diclofenac 150 mg N=590	Nabumetone 1500 mg N=128
Events**	2.9	3.2	2.6	3.3	2.6	3.1	3.9
Evenio	22.00						\

Mi, cerebroviscular accident (CVA), transfert is themic attack (TVA), and angine.

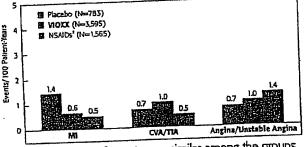
The incidence of events was similar among the groups.

*Recommended dosing in OA: The recommended dose of VIOXX is 12.5 mg once daily. Some patients may receive benefit by increasing the dose to 25 mg once daily. The maximum recommended daily dose is 25 mg.

Co

Specific cardiovascular thromboembolic events^{t,1}

Cardiovascular Thromboembolic Adverse Events per 100 Patient-Years



*Data are based on nine double-blind studies in approximately 6,000 CA patients actively bling VXXX, active comparator, or placebo. Studies lested from 6 weeks to a maximum duration of 86 weeks. The average duration of treatment was 5.5 months.

*NSAIDs are from CA clinical studies and include disordienac 150 mg ibuptolen 2400 mg, and nabumetone 1500 mg.

The incidence of events was similar among the groups.

Selected safety information

- As with all NSAIDs, VIOXX should be used with caution in patients with fluid retention, hypertension, or heart failure.
- Serious GI toxicity can occur with or without warning symptoms with NSAIDs.



IN OA STUDIES

BASELINE CARDIOVASCULAR (CV) CHARACTERISTICS

CV Risk Factors F	ercentage of Patients at Baseline*
Hypertension	39%
Hypercholesterolemia	11%
Current smoker	14%
Diabetes	7%
History of angina/coronary artery disease ([AD) 5%
History of myocardial infarction (MI)	3%
Congestive heart failure (CHF)	1%

^{*}Mean age: 63 years (range: 39–93). Gender: 70% female, 30% male.

VIOXX is indicated for:

- Relief of the signs and symptoms of osteoarthritis (OA).
- The management of acute pain in adults (see CLINICAL STUDIES).
- Treatment of primary dysmenorhea.

Selected safety information

- VIOXX is contraindicated in patients with known hypersensitivity to refecoxib or any other component of VIOXX.
- VIOXX should not be given to patients who have experienced asthma, urticaria, or allergic-type reactions after taking aspirin or other nonsteroidal anti-inflammatory drugs (NSAIDs). Severe, rarely fatal, anaphylactic-like reactions to NSAIDs have been reported in such patients.
- Common adverse events included upper respiratory infection (8.5%), diarrhea (6.5%), nausea (5.2%), and hypertension (3.5%).
- Dosage adjustment in the elderly is not necessary; however, therapy with VIOXX should be initiated at the lowest recommended dose.
- With NSAIDs, most spontaneous reports of fatal gastrointestinal (GI) events are in elderly or debilitated patients
 - -therefore, special care should be taken in treating these patients.



A CLINICAL TRIALS

OVERALL MORTALITY RATES

Overall mortality and cardiovascular mortality.

Events per 100 Patient-Years

	VIOXX N=3,595	NSAIDs ¹ N=1,565	Placebo N=783
Total mortality	0.1	1.1	0.0
Cardiovascular mortality	0.1	0.8	0.0

*Data are based on nine double-blind studies in approximately 6,000 CA patients actively taking VIOXX, active comparator, or placebo. Studies lested from 6 weeks to a maximum duration of 86 weeks. The average duration of treatment was 5.5 months.

^{*}NSAIDs are from OA dirical studies and include diddienac 150 mg, buppolen 2400 mg, and reburnetone 1500 mg.



Selected safety information

- VIOXX is not a substitute for aspirin for cardiovascular prophylaxis.
- Concomitant administration of low-dose aspirin with VIOXX may result in an increased risk of GI ulceration or other complications compared with use of VIOXX alone.
- Drug-interaction studies with VIOXX have identified potentially significant
 interactions with warfarin. Anticoagulant activity should be monitored, particularly
 in the first few days after initiating or changing therapy with VIOXX in patients
 receiving warfarin or similar agents, since these patients are at an increased
 risk of bleeding complications. In postmarketing experience, bleeding events
 have been reported, predominantly in the elderly, in association with increases
 in prothrombin time in patients receiving VIOXX concurrently with warfarin.



TOLERABILITY PROFILE

Filed 09/14/2005

Clinical adverse events in OA studies

Occurring in ≥2% of Patients Treated With VIOXX and >Placebo, Regardless of Causality*

	Once-Daily VIOXX 12.5 mg or 25 mg	Placebo (N=783)	Ibuprofen 2400 mg daily (N=847)	Diclofenac 150 mg daily (N=498)
Adverse Event	(N = 2,829) %	%	%	0/ ₀
	2.2	1.0	2.0	2.6
Fatigue	3.0	2.2	2.7	3.4
Dizziness Lower extremity edema	3.7	1.1	3.8	3.4
Upper respiratory infection	B.5	7.8	5.8	8.2
	3.5	1.3	3.0	1.6
Hypertension	3.5	2.7	4.7	4.D
Dyspepsia	3.8	28	9.2	5.4
Epigastric discomfort	4.2	3.6	5.2	4.6
Heartburn	5.2	2.9	7.1	7.4
Nausea	2.7	2.0	1.B	2.4
Sinusitis	2.5	1.9	1.4	2.8
Back pain	2.0	0.8	1.4	3.2
Bronchitis Urinary tract infection	2.0	2.7	2.5	3.6

^{*}Data are based on time six-week to six-month clinical studies in OA patients taking VIOXX active comparator, or placebo.

- In analgesia studies, the adverse-event profile of VIOXX 50 mg q.d. was generally similar to the adverse event profile reported in the OA studies.
- In six-month OA studies using twice the maximum recommended dose, the general safety profile of VIOXX 50 mg q.d. was similar to that of VIOXX at recommended OA doses, except for a higher incidence of GI symptoms, lower extremity edema (6.3%), and hypertension (8.2%).
- The recommended doses for VIOXX in OA are 12.5 mg q.d. or 25 mg q.d.
- NSAIDs may diminish the antihypertensive effect of angiotensin converting enzyme (ACE) inhibitors. This interaction should be given consideration in patients taking VIOXX concomitantly with ACE inhibitors.

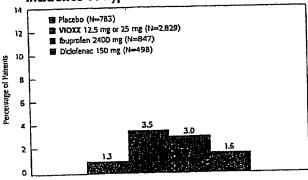
ADVERSE EVENTS PROFILE

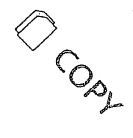


Discontinuation rates for patients due to adverse events

- \bullet Overall discontinuation rates due to any adverse event were low (6.7% for VIOXX 12.5 mg or 25 mg q.d. vs 4.2% for placebo).
- Low discontinuation rates for patients on VIOXX (12.5 mg or 25 mg q.d.) due to hypertension:
 - -<0.1% of patients discontinued therapy due to hypertension

Incidence of hypertension*





'Data are based on nine double-blind six-week to six-month studies in approximately 6,000 DA patients taking VICOX active comparator of placebo.

Selected safety information

- VIOXX is not recommended in patients with advanced kidney disease; no dosage adjustment is recommended in patients with mild to moderate kidney disease.
- Renal effects of VIOXX (e.g., hypertension, edema) were similar to those of comparator NSAIDs.
- Administration of NSAIDs has resulted in renal papillary necrosis and other renal injury, including acute renal failure.

Before prescribing VIOXX, please read the complete Prescribing Information.

References: 1. Daniels B, Seidenberg B. Cardiovascular safety profile of refecció in controlled clínical trials. Paper presented at 1999 Annual Scientific Meetings; November 13–17: Boston, MA. Arthritis Rheum. 1999;42(9 suppl):5143. Abstract 435. 2. Data available on request from Professional Services, WP 1-27, Merck & Co. Inc.. West Point. PA 19486. Please specify information package DA-MO14(1).

STRENGTH. SAFETY. QD SIMPLICITY

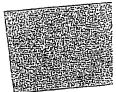


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Merck & Co., Inc. P.D. Box 4		John Q. Sample MD Sample Medical Center		September 8, 2000
West Point, PA 19486-0004	 	123 Sample St. Anywhere, US 12345		
	i	Dear Dr. Sample:		
		Thank you for taking a few moments fro recently visited your office. As you recal powerful option for your patients who ne	II, the strength, salety, a	to discuss VIOXX* (rofecoxib) when I and q d simplicity of VIOXX make it a
		 Relief of the signs and symptoms of or Management of acute pain in adults (s Treatment of primary dysmenorinea 		5)
,		VIOXX VIOXX should not be given to p	palients who have expe onsteroidal anti-inflamm	vily to rolecoxib or any other component of rienced asthma, urticaria. or allergic-type latory drugs (NSAIDs) Severe, rarely latal, uch patients
		VIOXX is not a sulfonamide; therefore	2. VIOXX has no sullon	amide contraindication
		VIOXX: No effect on platelet function in healthy volunteers. VIOXX 50 mg ha		
		Effection platelet aggregation		
		0 A.17: Placebo (N=12)	D 8 % VIDXX 50 mg q.d.	Double-bind, randomized, placebo-controlled, parallel-group study to assess the effect of VIOXX and placebo on platelets in healthy volunteers in the two trainment groups (N=12/group), subjects received tablets of either 50 mg of VIOXX or mothing placebo. Results shown are for Day 4
		up to 12 days Similarly, bleeding time Low-dose aspirin: VIOXX is not a suf	was not altered with sit bstitute for aspirin for ca	ct on bleeding time when administered daily for ngle doses of 500 mg or 1000 mg of VIOXX.
		Concomitant administration of low-dos gastrointestinal (GI) ulceration or other	se aspirin with VIOXX m	
		included events pertaining to cardiac (ar Ihromboembolic adve (i e . Ml. angina), centra ms. Due to the variable	inical trials*.2 Preservents was assessed. This review Il nervous (i.e., CVA. TIA), and peripheral Il duration of treatment in the studies, results are
A succes				

Case 2:05-cv-00880-MHT-SRW Document 1-3 Filed 09/14/2005 Page 23 of 41

MERCK





Merck & Co., inc. P.O. Box 4

Cardiovascular Thromboembolic Adverse Events per 100 Patient-Years*2

West Point PA 19485-0004

 		(tolscozip)	-VIOX	VIOXX**	Ibuprolen	Didolena:	- Nabumetone
	Placebo N=783	12.5 mg N=1,215	25 mg N⇒1,614	50 mg N=526	2400 mg N≔847	150 mg N=590	1500 mg N=128
Events	2.9	3.2	2.5	3.3	2.6	3.1	3.9

^{*}Data are based on nine double-bind studies in approximately 6,000 OA patients actively taking VIOXX, octive comparator, or placebo. Studies lasted from 6 weeks to a maximum duration of 66 weeks. The average duration of treatment was 5.5 months.

The incidence of events was similar among the groups.

--Recommended dosing in OA: The recommended dose of VIOXX is 12.5 mg once daily. Some patients may receive additional benefit by increasing the dose to 25 mg once daily. The maximum recommended daily dose is 25 mg.

In acute pain and primary dysmenorrhea, 50 mg once daily is the recommended initial dose. Subsequent doses of 50 mg may be used as needed. Use of VIOXX for more than five days in the management of acute pain has not been studied.

Selected safety Information

Serious GI loxicity can occur with or without warning symptoms with NSAIDs

Serious renal and hepatic reactions have been reported with NSAID use VIOXX is not recommended in patients with moderate or severe hepatic insufficiency or in patients with advanced kidney disease. As with all NSAIDs, VIOXX should be used with caution in patients with fluid retention, hypertension, or heart

Common adverse events in OA studies of six weeks to six months duration included upper respiratory infection (8.5%), diamhea (6.5%), nausea (5.2%), and hypertension (3.5%)

In analgesia studies, the adverse-event profile of VIOXX 50 mg once daily was generally similar to the adverse-event profile reported in the OA studies.

In six-month OA studies using twice the maximum recommended dose for OA, the general safety profile of VIOXX 50 mg once daily was similar to that of VIOXX at recommended OA doses, except for a higher incidence of GI symptoms, lower extremity edema (6.3%), and hypertension (8.2%)

Before prescribing VIOXX, please read the enclosed complete Prescribing Information

Sincerely.

John 2. Sample

John Q. Sample

P.S. Please consider VIOXX for your adult patients who need relief from the signs and symptoms of chronic OA, management of acute pain, or treatment of primary dysmenorrhea. I look forward to meeting with you again to further discuss VIOXX.

References: 1. Data available on request from Professional Services, WP1-27, Merck & Co., Inc., West Point, PA 19486. Please specify information package DA-VID11(1). 2. Daniets B, Seidenberg B, Cardiovascular salety profite of information controlled dinical traits. Paper presented at 1999 Annual Scientific Meetings: November 13–17: Boston, MA. Arthritis Rheum. 1999,42(9 suppl):5143. Abstract 435.

VIDXX is a registered trademark of Merck & Co. Inc VIDO1(A)

www.vicxx.com 005709(1)-05-V1O

MERCK

^{&#}x27;Myocardial inlantion (MI), cerebrovascular accident (CVA), transient behemic attack (TIA), and angina

DESCRIPTION

VIDXX* (rolecosib) is described chemically as &-[4-lmethyl-sulfonyl]-1-phenyl-2(5H)-luranone. It has the following chemical structure:

Reference is a white to off-white to light yallow powder, it is sparingly soluble in sections, slightly soluble in methanol and isopropyl sectiate, very slightly soluble in schanol, practically insoluble in beathol, and insoluble in wellset. The empirical formula for reference is $C_{12}M_{11}D_1S$ and the molecular weight is

114.35.
Each whiet of VIOXX for oral administration contains either 12.5 mp. 25 mp. or 50 mp of referentia and the following inactive ingradients: etoesamelloes acdium, hydroxyptopyl estimates, magnesium startas, microcystalline. International amplication startas, microcystalline institutional and applications are startas, microcystalline institutional and a second start of the contained terric exists.

Each 5 ml, of the oral suspension tennals aither 12.5 or 25 mp. or referentially the following inactive ingredients: circle acid (monohydrate), sodium citrata (dithydrate), sodium situata (dithydrate), sodium sobution, strawberry flavor, santhan gum, and purified water. Added as preservatives are sodium methylparaben 0.13% and redium propylparaben 0.02%.

CLINICAL PHARMACOLOGY

Mechanism of Action
VIOXX is a nonstroidal anti-inflammatory drug that exhibits anti-inflammatory, analgesic, and anti-pretts activities in animal models. The mechanism of action of VIOXX is believed to be due to inhibition of protragalandin synthesis, via inhibition of Eyclooxygenase-2 (COX-2). At therapeutic concentrations in humans, VIOXX does not inhibit the cyclooxygenase-1 (COX-1) isoentyme.

Pharmacolinetics

Absorption

The mean oral bloavailability of VIOXX at therapeutically recommended-deco-od-12.5.75. and 50 mg/it approximately-recommended-deco-od-12.5.75. and 50 mg/it approximately-1374. The area under the curve (AUI) and peak plasma level (Great) following a single 25-mg dose were 2285 (a84)) ng-hr/ ml. and 207 (a11) ng/ml. respectively. Both Cmg. and AUC are roughly doze proportional actors the clinical dose range. At doses greater than 50 mg, there is a less than proportional increase in Cmg. and AUC, which is thought to be due to the low solubility of the drug in aqueous modis. The plasma constitution-time profile exhibited multiple peaks. The madian time to maximal concentration (Imax), as a accessed in his pharmacotherie trudies. It is 10 a hours, Individual Tmg. values in these studies ranged between 7 to 5 hours. This may not reflect rate of absorption as Tmg. may occur as a secondary peak in some individuals. With multiple dosing, stoady-state conditions are reached by Day 4. The AUC, saw and Cmax at susady rasts after multiple doses at 25 mg ratecasib was 4038 (a110) ngp-hi/ml and 221 (a101 ng/ml., respectively. The accumulation factor based on geometric means was 1.67. VIOXX Tablets 12.5 mg/s ml. and 25 mg/s ml. spectime for the properties of the properties and 25 mg/s ml. specific and Antarid Effects.

Food and Antarid Effects
Food had no significant effect on either the pank plasma concentration [L_{max}] or extent of absorption [AUCI of reference when VIDXX tablets were taken with a high fait men! The time to peak plasma concentration [T_{max}], however, was delayed by to 2 hours. The load effect on the suspension lormulation has not been studied. VIDXX tablets can be administence without report to thining of masle.

There was a 17% and 8% decrease in AUC when VIDXX was administered with calcium carbonate antacid and magnesiumialuminum antacid to elderly subjects. respectively. There was an approximate 20% decrease in C_{max} of relacoxib with olther antacid.

Distribution
Rolecoxib is approximately 67% bound to human plasma protein over the range of concentrations of 0.05 to 25 g/mL. The apparent volume of distribution at steady state (V_{EM}) is approximately 9.1 L following a 12.5-mg dose and 86 L follow-

ing a 25-mg dose.

Rolecopib has been shown to cross the placents in rats and rabbits and the blood-brain barrier in rats.

Metabolism of rotecoxib is primarily mediated through reduction by cytosolic entymes. The principal metabolic prod-ucts are the cis-dihydro and trans-dihydro derivatives of rote parith which account has nearly 10% of reconsecutuational viry in the urine. An additional E.B. of the duse was recovered as

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VIDXX= (rolecaxib tablets and oral suspension)

the plucuronide of the hydroxy derivative, a product of exidative metabolism. The blotransformation of refereable and this metabolise is reverable in humans to a limited started (65%). These metabolises are inactive as EOX-10 r COX-2 inhibitors. Cytochrome P450 plays a minor role in metabolism of critically. Inhibition of Critically, a minor role in metabolism of telecoxila, inhibition of Critically by administration of telecoxila inhibition of Critically by administration of the movement, industrial or a second production of the movement, industrial or general hepatic metabolis activity by administration of the non-specific induser ritarnals 500 mg daily produces a 50% decrease in refereable pleama concentrations. (Also see Drug Internations.)

Referentials aliminated predominantly by hepsite metabolism with filled (e1%) unchanned drug recovered in the urine. Following a single radiolabeled dose of 125 mg, approximately 72% of the dose was exerted into the urine as metabolises and 14% in the feece as unchanged drug.

The platents clearance after 12.5 and 25-mg doses was approximately 141 and 120 ml/min, respectively. Higher plasma clearance was observed at doses below the therapeutic range, suggesting the presence of a saturable route of metabolism (i.e., non-linear elimination). The affective hist-life libated on steady-state levels) was approximately 17 hours.

Special Populations Gender

Gendar
The pharmacokinatics of refecoxib are comparable in mon and women.

and women. Seriotic

After single dose of 25 mg VIOXX in alderly subjects lover
85 years old a 34% increase in AUC, was clearved as bompand to the young subjects. Dosep adjustment in the elderly
is not necessary however, therapy with VIOXX should be intisted at the lowest recommended dose.

Pediatric
VIDXX has not been investigated in patients below 18 years

Ance Mele-analysts of pharmosobineds studies has suggested a slightly (10-15%) higher AUC of referralb in Blacks and Hispanies as compared to Caucasian. No dosage adjustment is necessary on the basis of rece-

hetersary on the basis of race.

Hepatic Insufficiency
A pharmocolchetic roudy in mild (Child-Pugh store 56)
hepatic Insufficiency patients indicated that role-path AUC
was similar between these patients and healthy subjects.
Limited data in patients with moderate (Child-Pugh store 7-3)
hepatic insufficiency suggest a treat towards higher AUC
labout 59%; of rofecoxib in these patients, but more data or
hetedad to avaluate pharmacokinatics in these patients.
Patients with sevare hepatic insufficiency have not been
studied.

Rehal insufficiency
In a study (N=G) of patients with end stage renal disease undergoing dialysis, peak referencia plasma levels and AUC declined 18½ and 9½, respectively, when dialysis commend four hours after decling. When dialysis commend 46 hours after decling, the elimination profile of referencia was unchanged. While tenal insufficiency does not influence the phormacobinatics of reflected as present because no safety information to recommended at present because no safety information is available tegarding the use of VIDXX in these potations.

Drug interactions (Also see PRECAUTIONS, Drug Interactions.)

General
In human studies the potential for rolecoxib to inhibit or induce CTP 3A4 activity was investigated in studies using the intravenous environmy-lin breath test and the test initiation state. No significant differences in environment depositivities was observed with rofecoxib (75 mg deliy) compared to piecebo, indicating no induction of hepatic CTP 3A4, A 30% reduction of the AUC of midatoriam was observed with rolecoxib 125 mg deliy). This reduction is most fishly due to increased first pass metabolism through induction of intestinal CTP 3A4 by rolecoxib. In vitro studies in rat hepatorytated also suggest that rofecoxib might be a mild inducer for CTP 3A4.

Drug integration studies with rolecoxib have identified

and support that restorate might be a man mover for CYP 3A4.

Drug interaction studies with relocatib have identified potentially significant interactions with rilample, mathetres, at and warfain. Patients receiving these agents with VIDXX should be appropriately menhered. Drug interaction studies do not support the potential for clinically important interactions between antacids or cimetations with notes of the separates with other constraints and inflammatory drugs (NSADE), studies with refrecable support the potential for interaction with ACE inhibitors. The effects of indecable on the pharmacolimetics and/or pharmacodynamics of tetecontable, gradmisone/predictablene, one commercially and dipolar have been studied in viru and clinically important interactions have not been found.

CLINICAL STUDIES

Ostaoanthritis IOA)

Ostabambritis IOA!

NOXX has demonstrated significant reduction in joint pain compared to placebo. VIOXX was evaluate flor the treatment of the signs and symptoms of OA of the less and his in placebo. and arrive-controlled clinical plasts Lot Sur Sed-week-duredon that enrolled approximately 3900 potions. In patients with DA, treatment with NOXX 12.5 mg and 25 mg ance daily resulted in Improvement in patient and physician global assessments and in the WOMAC (Western Ontails and McMaster Universities) as to with the control of the McMaster Universities obtained in gains, stillness, and functional measures of OA. In six stud-

(Xº (rolecoxib tablets and oral suspension)

les of pain accompanying DA flars. VIDXX provided a significant reduction in pain at the first determination later one weak in one study, after two weeks in the remaining five studies; this continued for the duration of the studies. In all DA clinical studies, once daily treatment in the morning with VIDXX 12.5 and 25 mg was accordated with a significant reduction in join stiffness upon first awakening in the morning. At doses of 12.5 and 25 mg, the effectiveness of VIDXX was shown to be comparable to ibuproles 800 mg TID and dichlerace 50 mg TID for treatment of the signs and symptoms of DA. The ibuprolen studies were 5-week studies the dichlerace studies were 12-month studies in which patients epuid receive additional arthritis medication during the last 6-months.

Analgesia, Including Dysmanorrhea
In acute analgesic models of post-operative dontal pain,
post-orthopedic surgical pain, and primary dysmanorrhea.
VIIOXX relieved pain that was rated by patients as moderate to
evers. The analgesic effort lincluding one stof action) of a simple 50-mg dose of VIOXX was generally aimfair to 550 mg of
neprozen sodium or 400 mg of ibuprolen. In simple-dose
post-operative dental pain studies, the ones of smalgesia with
a single-50-mg dose of VIOXX occurred within 45 minutes. In a
multiple-dose roudy of post-ontopedic surgical pain in which
patients received VIOXX or pleasebo for up to 5 days, 50 mg of
VIOXX onto delily was affective in-reducing pain. In this mudy,
patients on VIOXX consumed a significantly smaller amount
of additional analgesic medication than paintent treated with
placebo (1.5 versus 2.5 addication than paintent ureated with
medication for VIOXX and placebo respectively).

medication for VIOXX and placebo-respectively).

Special Studies

Upper Endescopy in Patients with Octave thirtis

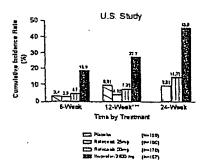
Two identical (U.S. and Muthantional) and secopy studies in a total of 1516 patients were conducted to extrapate the percentages of patients who disveloped and oscopically detectable gastroducednal uters with VIOXX 25 mg delity or 50 mg delity or 100 mg delity, or placebo. Entry critical for these studies permitted envolvement of patients with active Helicobacter pyloni intection, baseline gastroducednal erotions, prior history of an urper gastrointestinal parioration, utes, or bleed (PUB), and/or age 265 years. However, patients receiving aspirin fineluting low-doze aspirin for tardiovascular prophylaxis were not enrolled in these studies. Patients who were 80 years of age and older with estreachthitis and who had no tilest at baseline were evaluated by endescripty that were the series were evaluated by endescripty that makes 5, 12, and 24 of treatment. The placebo-treatment group was discontinued at week 16 by design.

Treatment with VIOXX 25 mg delity or 50 mg delity was associated with a significantly lower percentage of patients with endescript gastroducednal uters then treatment with Pupralen 2400 mg delity however, the studies cannot rule out at least some increase in the rate of endoscopic gastroducednal uters then treatment with Pupralen 2400 mg delity however, the studies cannot rule out at least some increase in the rate of endoscopic gastroducednal uters when companing (VIOXX to placeho. Sea Eigunes 1 and 2 and the accompanying tables for the results of these studies.

Figure 1

COMPARISON TO IBUPROFEN

Life-Table Cumulative incidence flats of Gestroduodenal Ulcers 2 3mm " (Internion-to-Treat)



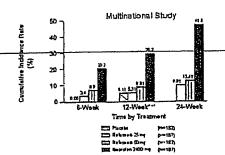
- B < 0.001 versus ibuptalen 2400 mg
 Results of ensiyese saling a £ 5mm gest/bduodensi uksar endpaint
 wers consistent.
 This primary applications were the taxindesive incidence of
 paramodiodensi uksar in 12 weeks.

PABLE 1 Entercape Described and Vicars at 12 arrols U.S. Study							
Trestinen Croup	Number of Patients with Unsefficial Runther of Patients	Completive Inchesive Ratio	Rasis of Asias re Piscelin	MS% CI en Rapp of Rutes			
Piaciles	धारा	2.7%		-			
NIDEZ 25 mg	tna:	415	L41	10.12 1.25b			
VICIXX 50 mg	מתנו	7.3%	2.16	(N. II. II. S)			
Nuoralen	ល្អាត	27.7%	מנו	11.0,120			
by Ms table b	n siyas t						

VIDXX* (rolecoxib tables: and oral suspension)

Figure 2 COMPARISON TO IBUPROFEN

Life-Table Cumulative incidence Rate of Gazzroduodenal Vicers 2 3mm" lintertion-to-Treat)



p < 0.001 versus business 2400 mg Results of analyses using a 2 5mm gestraduodenal ultur and:

mounts indicated was the cumulative incidence of densituities at 12 weeks.

IABLE 1 Endostopt Gzzzefundenál Vikerk at 11 mestr Aktingunal Josep								
Trastmire Group	Humber of Patients with Ulcot/Total Number of Patients	Extratative Increase b Note	Rates of Rates vs. Piscaba	15% CI OR Rosia al Norsa				
Plazeto	AIG.	212		-				
VIDXX 25 mg	MA	2.3%	1,01	(0.3.3.01)				
AIDXX 25 we	15/122	2.1%	173	DEL 1311				
	1945	****	179	0 4 0 10				

'Ay ida taba a white

The correlation between findings of endoscopic studies, and casastalwa incidence of stinically actions upper 51 a venta that may be observed with different produces, has not been fully established. Serious clinically significant upper 61 bleeding has been observed in patients receiving WOXX in controlled traits, albeit interquently less WARNINGS. Gastrointestinal (GB Effects - Rist of GI Uceration, Bleeding, and Parioration). Prespective, long-term studies required to incidence of carious, clinically, significant upper GI adverte events in patients taking VIOXX versus comparator NSAID products have not been performed.

Acsectament of Fecal Occult Blood Lost In Healthy Subjects
Occult Jetal blood lost associated with VIOXX 25 mg dally,
VIOXX 50 mg dally, ibuprolan 2400 mg per day, and placebo
was evaluated in a study utilizing 10°C-tagged red blood cells
in 57 healthy males. After 4 weets of transment with VIOXX
25 mg dally or VIOXX 50 mg daily, the inclusive in the amount
of focal blood losx was not stabilizedly significant compared
with placebo-treated subjects. In contract, Duprolan 2400 mg
per day produced a stabilizedly significant increase in lecal
blood loss as compared with placebo-treated subjects and
VIOXX treated subjects. The clinical relevance of this finding
is unknown.

Platelats

Plateints
Muhipis doses of VIDXX 12.5, 25, and up to 375 mg administered daily up to 12 days had no effect on bleeding signs relative to placebo. Similarly, bleeding sime was not altered in a single dose study with 500 or 1000 mg of VIDXX. There was no inhibition of ax vivo arechidence add or collagen-induced plateiet apprepaidon with 12.5, 25 and 50 mg of VIDXX.

INDICATIONS AND USAGE

INDICATIONS AND USAGE
VIOLX is indicated:
For refiel of the signs and symptoms of osteo-arthrids.
For the management of acute pain in adults (see CLINICAL STUDIES).
For the treatment of primery dysmonorrhes.

CONTRAINDICATIONS

CONTRAINDICATIONS
VIOXX is contraindicated in patients with known hyperson-zhidipteroleoxib-or-eny-other-components 14/0525.
VIOXX should not be given to patients who have experiented arthma, unicaria, or after patients who have experiented arthma, unicaria, or after patients of the taking
aspirin or other NSADs. Severe, rarely loted, anaphyleatic-fills,
reactions to NSADs have been raported in such patients (are
WARRINGS, Anaphylectoid Reactions and PRECAUTIONS,
Preexisting Asthma).

VIOXX® tralesaxib tablets and oral suspension)

VIOXX® (rolecoxib tablast and oral suspension)

WARNINGS

Gastrointestinal (Gil Effects - Risk of Gil Ulceration. Bleeding, ulceration, and Perforation

Sorious gastroinectinal toxicity such as bleeding, ulceration, and perforation of the stamach, small intestine or large intestine, can occur at any time, with or without warming sympoms, in patients trasted with nonstravidal anti-inflammatory drugs (NSAIDS). Minor upper gastrointestinal problems, such as dyspepala, are common and may also occur at any time during NSAID therapy. Therefore, physiciens and patients should tensial sient for ulceration and bleeding, even in the absence of pravious Gil treat symptoms. Patients should be informed about the signs and/or symptoms. Patients should be informed about the signs and/or symptoms of serious Gil toxicity and the steps to take if they occur. The utility of periodic laboratory monitority sharnon bean distribution, not in the patients who divelop a serious paper Giladverse event on NSAID therapy is symptoms till, the periodic sharper is been adequately excessed. Only one in five potions who divelop a serious group particularly accessed by NSAIDs, appoar to occur in approximately 175 of petients treated for one year. These transfer comfuse thus, increasing the likelihood of developing a serious Gil event at some time during the course of therapy. However, even short-tand therapy for white trials.

In its unclear, on the present time, how the above cause apply to VIOXX (as on the present with Osteonarthitis. Among 1357 peadents who resolved VIOXX in controlled clinical Irisle of Sweeks to one-year duration innot were seriolled in six-month or longer fundaries in a slary does of 12.5 mg to 50 mg, a total of 4 patients experienced a serious upper Gil bleed within three months list day 62 and 67, respectively) (10.054. One additional patient separionated an upper Gil bleed within three months list that 92 and 67, respectively) (10.054. One additional patient separionated to compare the incidence of serious, clinically

NSAIDs should be considered.

Studies have shown that patients with a prior history of peptic ulcer disease and/or passrolmestinal bleeting and who use NSAIDs, have a present method history of the states. In addition to a part history of ulcer disease, pharmacospidential objects at unified here have been objected at unified here of other or the replace of co-morbid conditions that may increase the rick for Gi bleeding such as treatment with oral conferencingly, treatment with oral conferencingly resumed with anticoagulants, longer duration of NSAID therapy, arroxing, alcoholism older age, and poor general health status.

Anaphylactoid Reactions
As with NSAIDs in general, anaphylactoid reactions have occurred in patients without known prior exposure to VIOXX. In past-marketing experience, rare asset of anaphylactoid reactions and ampleodoma have been reported in patients receiving VIOXX. VIOXX should not be given to polibents with the aspirint friad. This symptom complex typically occurs in estimatic patients, who experience shinkis with or without nassal polype, or who exhibit reverse, potentially farel branchosters are the statement of the polype, or who exhibit reverse, potentially farel branchosters may be a present and the process of the polype, or who exhibit reverse, potentially farel branchosters may be polype, or who exhibit reverse, potentially farel branchosters are presented by the polyped by the polyped by a bought in cases where an enaphylactoid reaction occurs.

Advanced Renel Disease

No selety information is available regarding the use of VIOXX in patients with advanced kidney disease. Therefore, treatment with VIOXX is not recommended in these patients. If VIOXX therapy must be inhisted, since monitoring of the patients kidney function is advicable (see PRECAUTIONS, Renel Effects).

Pregnancy
In late pregnancy VIOXX should be avoided because it may
cause premature closure of the ductus arrestosus

PRECAUTIONS

PRECAUTIONS

General

VIOXX cannot be expected to substitute for contrasteroids or to treat continusteroid insufficiency. Abrupt discontinuation of continusteroids may lead to executation of continusteroids may lead to executation of continusteroid-intersponsive illness. Patients on-proteing ed-continusteroid-therapy should have their therapy tapered showly if a decision is made to discontinue continuationation in reducing inflatmentation, and possibly lever, may diminish the utility of these diagnostic signs in detecting infectious complications of presumed nonlinectious pointwicenditions.

DXX profesoxio tables and oral suspension)

Hepatic Effects

Hepatic Effects

Borderline selevations of one or more liver tests may occur in up to 15% of patients taking NSAIDs, and notable elevations of ALT ar AST (approximately three or more times the uppor limit of normal have been reported in approximately 1% of patients in clinical trials with NSAIDs. These laboratory abnormalities may progress, may ternialn unchanged, or may be translent with continuing therapy. Bare tasses of severe hapatic reactions, including joundies and ignal futurinant hepaticistic reactions, including joundies and ignal futurinant hepaticistic reactions, including joundies and great futurinant hepaticistic view of the participation of the results of VIOX, the incidence of borderline slavations of liver tests at disses of 12.5 and 25 mg daily was comparable to the incidence obscarred with Superior and fower than that observed with disolerate. In placebo-controlled trials, approximately 0.5% of patients taking nebecusis (12.5 or 25 mg OD) and 0.1% of ponions taking placebo had notable alevations of ALT or AST.

A patient with symptoms and/or signe suggesting liver dys-

ALT or AST.

A patient with symptoms and/or signs suggesting liver dystunction, or in whom an abnormal liver test has occurred, should be monitored carrielly for evidence of the development of a more severe hepatic reaction while on the try with VIDXX. Use of VIDXX is not secontended in patients with moderate or severe hepatic insufficiency (see Pharmacochinetics, Special Populational, if clinical signs and symptoms consistent with liver disease develop, or if systemic manifestations occur (e.g. bosinophilia, rash, etc.), VIDXX should be discontinued.

Renal Effects

Long-term administration of NSAIDs has resulted in renal papilisty necrosis and other renal injury, Renal mixisty has also been seen in patients in whom renal promagal and/is have as compensatory tole in the maintenance of renal perfusion. In these patients, administration of a nonstraint and-inflammatory drug may cauce a does-dependent reduction in presuglandin formation and, accondarily, in ranal blood flow, which may precipitate over renal decompensation, Petients at present risk of this resction are those with impaired renal function, hear failure. Her dysfunction, those tating discretic and AEE inhibitors, and the alderly, Discontinuation of NSAID therapy is usually followed by recovery to the pretreatment state. Clinical trials with VIOXX at daily doses of 12.5 and 25 mg have shown renal effects (a.p., hypotension, adema) almilar to those observed with comparator NSAIDs; these cours with an intersect desirency with chronic used VIOXX at doses above the 12.5 to 25 mg range. (See ADVERSE REACTIONS.)

Caution should be used when initiating treatment with VIDXX in potients with considerable delydration. It is advisable to rehydrate potients first and then star therepy with VIDXX. Caution is also recommended in patients with pra-existing bidney disease (see WARNINGS, Advanced Renal Disease).

Hemanological Effects

Anemia is commitmes soon in patients receiving VIOXX. In placabo-controlled rinds, there were no significant differences observed between VIOXX and placabo in clinical reports of anemia. Patients on long-term treatment with VIOXX should have their hemoglobin or hematecrit sheekad if they exhibit early signs or symptoms of anemia or blood less. VIOXX does not generally affect platels counts, prothumbin time [PT], or pertial thromboplastin time [PT], and does not inhibit platelst aggregation at indicated decages less CLINICAL STUDIES. Special Studies, Platelocs.

Fluid Resention and Edoms
Fluid relantion and adoms have been observed in come
patients bling VIOXX (see ADVERSE REACTIONS). VIOXX
should be used with coution, and should be introduced at the
lowest recommended dose in patients with fluid retention.
hyperiension, or heart siture.

Presisting Asthma
Patients with authma may have aspirit-sensitive asthma.
The use of aspirin in patients with aspirin-sensitive authma has been associated with severe branchisospasm which can be latel. Since cross reactivity, including branchisospasm, between aspirin and other nonstroided anti-finammatory drugs has been reported in such asplini-enablive patients, VIOXX should not be administrated to patients with this form of explini sensitivity and should be used with courton in patients with pressioning asthma.

Information for Patients

VIOXX can cause discomfort and, rarely, more serious side
effects, such as pastrointestinal bleeding, which may result in
hospitalization and went fatal outcomes. Although serious GI
tract ulcerations and bleeding can occur without warning
symptoms, patients should be alen for the signs and symptoms of ulcerations and bleeding, and should as ylongedical
advice when observing any indicatives signs or symptoms.
Patients should be apprized of the importance of this follow-up (see WARNINGS, Costrointestinal IGI Effects - Rick of
GI Ulceration, Bleeding and Perforsition!
Patients should promptly report signs or symptoms of gastrointestinal ulceration or bleeding, skin rash, unexplained
weight gain, or edema to their physiciens.

VIOXXº (refecesib tablets and oral suspension)

Patients should be informed of the woming signs and symptoms of hepatotoxicity (e.g., nauses, latique, lethargy, product, joundies, right upper quadrant tendemess, and "fluitle" symptoms. If these costs, patients should be instructed to stop therapy and seek immediate medical therapy. Patients should also be instructed to seek immediate emergency help in the case of an anaphylactoid receion (one WARNINGS).

In late programcy VIDXX should be avoided because it may cause premature closure of the ductus areniosus.

Because schools Gill tract ulcerations and bleeding can occur without reaming amptoms; physicians should mornior for signs or symptoms of Gill bleeding.

Drug Interactions
ACE inhibitors: Reports suggest that NSAIDs may diminish
the antihypertensive elast of Angistensin Converting Enzyme
(ACE) inhibitors. In patients with mild to moderate hyportension, administration of 25 mg daily of VIOXX with the ACE
inhibitor betterporil, 10 to 40 mg for a weeks, was serious
with an average increase in mean arterial pressure of about
3 mm Hg compared to ACE inhibitor alone. This interaction
should be given consideration in patients taking VIOXX concomitantly with ACE inhibitors.

Aspirin: Concomitant administration of low-data sepirin with VIOXX may result in an increased rate of Gluceration or other complications, compared to use of VIOXX slone. At stastly state, VIOXX 50 mg once stally had no effect on the amin-planel armitiny of low-does 68 mg once stally suppline, as assessed by ex vivo planelet appropriation and servin TXB2 penetration in clording blood, VIOXX is not a substitute for expirin for cardiovascular prophylaxis.

Constiding: Co-administration with high doses of cimeti-ding [800 mg twice delly) increased the C_{max} of rolectable by 21%. The AUC₂₋₁₂₉₄ by 23% and the typ by 15%. These small changes are not climically significant and no dose adjustment is necessary.

Digoxin: Rolecoxib 75 mg once daily for 11 days does not after the plesma concentration profile or renal elimination of digoxin after a single 0.5 mg oral dose.

Furnsemide: Clinical studies, as wall as post-marketing observations, have shown that NSAIDs can reduce the nati-uratic effect of futosemide and thiszides in some patients. This response has been attributed to inhibition of renal prostaglandin synthesis.

Ketoconstole: Ketoconstole 400 mg daily did not have any clinically important effect on the phermacokinetics of rofe-

Lithium: NSAIDs have produced an elevation of plasma lith-ium levels and a reduction in renal lithium classrace. Thus, when NOXX and lithium are administered concurrantly, sub-jects should be observed carefully for signs of lithium toxicity.

Mathotrexate: VIOXX 75 mg administered onto daly for 10 days increased plasma concentrations by 23% as measured by AUC+3m, in patients reselving methotrexate 7.3 to 15 mg week for meanmant anthriks. An equivalent magnitude of raduction in methotrexate transi clearance was observed. At 26 hours protideze, a similar proportion of patients treated with methotrexate alone 194% and subsequently treated with methotrexate clane 194% and subsequently treated with methotrexate candinistered with 75 mg of refereable 193%, had methotrexate plasma concentrations below the measured that the property of the prope and methotrecate plasma concentrations below the measur-able limit (a mymut.) The effects of intercommended doses for extendamental (12.5 and 25 mg) of VIOXX on plasma meth-streame levels are unknown. Standard monitoring of metho-treame-telled fuzibilly should be continued if VIOXX and methotrecate are administered concomitantly.

Drai Contracaptives. Referently did not have any clinically important effect on the pharmacokinetics of athinyl estradiol and norethindrane.

Prednisons/prednisolone: Rolecoxib did not have any clini cally important effect on the pharmacokinetics of predniso-lone or prednisone

Rilampin Co-administration of VIOXX with rilampin 500 mg daily, a potent induces of hepatic metabolism, produced an approximate 50% decrease in molecosity higher accommissions. Theralors, a starting daily dose of 25 mg of VIOXX should be considered for the trainment of extendribits when VIOXX is co-administrated with potent inducars of hepatic metabolism.

Warfarin: Anticoaguiant activity should be monitored, per-ticularly in the first few days after initiating or changing VICXX. thorapy in patients receiving warfarin or similar agents, since these patients are at an increased risk of bleading complica-tions-in-single-and-matifipie-doze-studies in risability subjects receiving both warfain and reference, prehipmable time teneasured as INRI was increased by approximately 8% in 17%, in post-markeling experience, bleeding sents have been reported, prodominantly in the slderly. In association with increases in prothrombin time in patients receiving VIOXX concurrently with warfarin.

VIOXX[®] irolecoxib tablets and aral suspension)

Cardinogenesis, Mutagenesis, Impairment of Fenility
Rofecoxio was not cardinoganic in mice given and doses up
to 30 mg/tg (imale) and 60 mg/tg (female) (approximately 5and 2-fold the human exposure at 25 and 50 mg delity based
on AUC₀₋₂₄ and in male and female rats given and doses up to
8 mg/tg (paproximately 5- and 2-fold the human exposure at
25 and 50 mg delity based on AUC₀₋₂₄ for two years.
Rofecoxib was not mutagenic in an Ames Lest or in a V-78
mammelian cell mutagenesis estay, nor clastogenic in a chromosome abernation astay in Chinese humater overy (CNO)
cells, in an In vitro and an in vivo altaine clution astay, or in an
In vivochromosomol abernation test in mouse bone marrow.
Rofecoxib did not jimpsir male famility in rats at an af over

Rofecusib did not impair male farillity in rate at oral doses up to 100-mp4-5 lapproximately 20-and-Hold-human-expo-sure at 23 and 50 mg daily based on the AUC₀₋₂₄ and rofe-exitis had no effect on farillity in famale rate at doses up to 30 mg/kg (approximately 19-and 7-fold human exposure at 25 and 50 mg daily based on AUC₀₋₂₄).

Pregnancy
Teratogenic effects: Pregnancy Cetepory C.
Roleccubb was not teratogenic in rate at doces up to 50 mg/
kg/day (approximately 25- and 10-fold human exposure at 25and 50 mg daily based on AUC₀₋₂₄. There was a slightnon-stalistically significant increase in the overall incidence of
variabral malhammations only in the rabbit at doses of 50 mg/
kg/day (approximately 1- or 1-fold human exposure at 25- and
50 mg daily based on AUC₀₋₂₄. Thore are no studies in prep-nant woman. VIOXX should be used during pregnancy only?)
the potential benefit justifies the potential rick to the fatur.
Nonteratogenit effects: Rofects by produced part-implantation and post-implantation losses and reduced embryofistal
survival in rate and rabbits at oral doses 210 and 275 mg/kg/
day, respectively (approximately 3- and 3-fold (arts) and 3-fold
day, respectively (approximately 3-

survival in rats and abbits at and doses \$10 and \$75 mg/kg/dey, respectively (approximately 3- and 3-fold insts) and 2-fold rests and 2- and c-1-fold inabits] human exposure based on the AUC₂₂ at 25 and 50 mg dellyl. These changes are expected with inhibition of proximalisation synthesis and are not the result to permanent electration of formals reproductive function. There was an increase in the incidence of poximatel pup mortistip in rats at 25 mg/kg/day (approximately 5- and 2-fold human exposure at 25 and 50 mg delly based on AUC₂₋₂a. In studies in preparent rats administered single docus of (rofecosib), there was a treatment-raised decrease in the diameter of the docus arradious at all discess used (3-300 mg/kg-3 mg/kg) is approximately 2- and c-1-fold human exposure at 25 or 50 mg delly based on AUC₂₋₂a. As with other drups known to inhibit proxinglandin symbetis, use of VIOXX during the third trimester of prognancy should be avoided. pragnancy should be avoided.

Labor and delivery

Labor and dailvary Rolecasib produced to evidence of significantly delayed labor or parturbino in females at dozer 15 mg/sg in tate tapproximately 10- and 3-fold human exposure as measured by the AUC₀₋₂ at 25 and 50 mg). The affects of VIOXX on labor and delivery in pregnant women are unknown. Merck & Co., inc., maintains a registry to monitor the pregnancy outcomes of women exposed to VIOXX while pregnant. Healthcare providers are encouraged to report any priental exposures to VIOXX by colling the Pregnancy Registry at (800) 986-8999.

Nursing mothers

Rolecould is exceeded in the milk of lecturing rets at consentrations similar to those in plasms. There was an increase in pup mornality and a decrease in pup body weight following exposure of pups to milit from dams administered VIOXX during lactation. The dose tasted represents as neptroximate in plasmad B-fold human exposure at 25 and 50 mg bazed on AUCs_1. It is not known whether this drug is extrated in human milk. Boctuse many drugs are extreted in human milk and because of the potential for serious adverse reactions in nursing infants from VIOXX, a decision should be made whether to discontinue nursing or to discontinue the drug taking imo account the importance of the drug to the mother.

Padiatric Use

Salety and effectiveness in pediatric patients below the age of 18 years have not been evaluated.

Geriasric Use

Geriatric Uses

Of the pallants who received VIOXX in ustablarthritis clinical Irials. 1455 were 65 years of ope or older (this included 450 who were 75 years or older). No substantial differences in safety and affectiveness were observed between these subjects and younger subjects. Greater stankistivity of some older individuals control be ruled out, Dozage adjustment in the eldinity's rot messzasty; however, theretay with VIOXX should be initiated at the lowest technimended doze.

In one of these studies is also week, double-blind, randomized clinical triall, VIOXX 12.5 or 25 mg once daily was administered to 174 osteparthritis patients 280 years of age. The safety profile in this alderly population was zimilar to that of younger patients iterated with VIOXX.

JXXº (rolecoxio tablets and eral suspension)

ADVERSE REACTIONS

Ostananthritis

Ostoparthritis

Approximately 3500 patients with exteoerthritis ware treated with VIDXX; approximately 1400 patients received VIDXX for 6 months or longer and approximately 800 patients for one year for longer. The following table to adverse experiences lists all adverse events, regardless of causality, occurring in at least 2% of patients receiving VIDXX in also controlled studies of 6-week to 6-month duration conducted in patients with OA at the therapeutically recommended dease 1125 and 25 mgl, which included a placebo and/or positive control group.

Over American

F The of Leasure liances with Altical Crisces was the polesies of crisish as						
	Placese	VIOUX 12.5 er 25 mg desky	Description Plants	Destrine 130 mg faily		
***************************************		IX - 2529)	IN + BCT)	(N a 438)		
Boty As A Wheeler Sim Unique St.	4			***************************************		
Abtories Pain	U	24	u	5.2		
AstroniaFabgue	1.0	2.2	2.0	- 2.5		
Distinues	2.2	2.0	נג	24		
Informs-the Disasse	บ	2.3	1.5	23		
Laws: Extendity Ederna	1.1	3.7	2.1	14		
Upper Resolvatory infectors	7.3	Ł5	u	L.		
Cambovescular System						
Hypertention	13	25	3.8	1.8		
Digottive System				:- -		
Diambee	u	u	7.1	10.0		
Dyapersie	2)	25	4,7	4		
fizigrapsic Disconduct	2.3	- 23	1.2	5.4		
Ha arthura	3.5	u	L	ш		
Hauses	2.9	tr	7.1	7.4		
Eyes. Ears, Name, And Throat						
Siration	2.0	2.7	1.3	24		
Musculut error Symme						
Butifais	1.5	2.5	1.6	บ		
Naryout System						
Handache	7.5	O	£1	- 10		
Respiratory Spatem						
Branshirb	, w	2.0	1.4	2.2		
Urosmoi Syrim						
Urisary Tract Infection	2.7	2.4	2.3	บ		

The general solety profile of VIOXX 50 mg OD in DA clinical trials of up to 6 months (476 patients) was similar to that of VIOXX at the recommended OA does to 12.5 and 25 mg OD except for a higher incidence of gestroins that symptoms (abdomine) pain, objecting pain, objecting heart, opportunities and conditing lower extremity edome (2.3%) and hypertension (2.2%). In the DA studies, the following spontaneous adverse events occurred in p.0.1% to 15% of patients trooted with VIOXX repardiex of causality.

Body as a Whole: abdominal distantion, abdominal tender-ness, abcess, chest pain, chilic, contucion, cyst, disphrag-matic hamis, lever, fluid retendon, flushing, tangal infection, infaction, faceration, pain, pelvic pain, peripheral delama, postoparative pain, syncope, trauma, upper extremity edems, visit syncope.

Cardiovascular System; angine pactoria, outol fibrillation, bradycardia, hematoma, irregular heart best, palpitation, prematura vontricular contraction. Eschycardia, vanous insuf-

Digastive System acid reflux, abhthous stomatins, consti-pation, dental caries, dental pain, digestive gas symptoms, day mouth, duodonei discordet dysgeusia, asophagitis, litu-lence, gestric disorder, gastritis, gastroemerios, hematoch-ris, hemathoids, infactious gastroemerios, coral infaction, oral lesion, oral ulcar, vermiting.

Eyes, Ears, Nose, and Throst allargic rhinits, blurred in the property of the

Unmune System: allergy, hypersensitivity, insect bits reaction.

Matabolism and Numition: appatite change, hypercholes-terolomie, weight gain.

Musculeskaletal System: entile sprain, erm pain, arthreigia, back atrein, bursthis, cardiage insume, joint swelling, muscular disorder, muscular weakness, muscular pain, muscular disorder, muscular weakness, muscular pain, muscular buildness, musligher, muscular pain, muscular pain, sidness, musligher unstablish, tendering, traumatic anthropatry, wrist fractions.

Nervous System: hyposthesia, insomnia, median nerva neuropathy, migraine muscular späem, pararthasia, sciatica, somnolence, varrigo.

Psychiatric ensisty, depression, mental scutty decreased.

VIOXX* (rolecox)b tablets and orat suspension)

Respiratory System: asthma, cough, dyspnes pneumonia, pulmonary congestion, respiratory infaction

Skin and Skin Appendages: abrasion, slopecia, atopic dermartitis, basel sell satchoma, blipser, cellulitis, context dermartitis, herpes timplex, herpes timplex, nall unit disorder, perspiralion, pruritus, rash, skin erythema, unicaris, xerocis.

Urogenital System: breast mass, cystilis, dysulis, ment-pausal symptoms, mansural disorder, nocturia, urinary retention, vaginitis.

The following serious adverse events have been reparted Tately resumated of 151 in patients taking VIOXX, repartiest of causality. Cases repond only in the post-marketing expe-tience are indicated in indics.

Cardiovascular: serebiovascular accidant, congestive heart fallure, deep venous thrombook, myocardial infarction, pulmonary embolism, translem ischamic attack, unstable angina.

Gestrointestinal: cholocypitic, colinis, colonis malignant heopiaem, duodensi perforation, duodensi vilest, esophagosi vilest, gastrio testa, pastrio vilest, pastrointestinai bisad-ing, intestinal abstruction, panersathis.

Hemband lymphatic tymphoma.

Immuna System: anaphylastold reastion, angioedema.

Nervous System: aseptic meningitis

Psychiatric: hellucinations

Urogenital System: acute renel failure, breast malignem heopiasm, interstital nephritis, prostatic malignem neplearm, urolithiasis, worsening atronic ranst failure. In 1-year controlled chinical triats and in extension studies for up to 68 weeks (approximately 800 patients treated with VIDXX (prone year or longer), the adverse experience profite was qualitatively similar to that observed in studies of chorast duration.

Analgasia, including primary dysmanorthea
Approximately one thousand patients were treated with
VIOXX in analgasia studies. All patients in post-dental surgery pain studies received only a single doss of study medication. Patients in primary dysmenorthea studies may have
paten up to 3 daily doses of VIOXX, and those in the
post-orthopedic surgery pain study were prescribed 5 daily
doses of VIOXX.

VIDXX® (rolecoxib tablets and oral suspension)

The adverse experience profile in the analyse is studied was generally similar to those reported in the actionshifts music. The following additional adverse experience, which becomed at an inclinance of all less 2% of patients treated with MOXX, was observed in the post-dental pain surgery studies; post-dental extraction alveolitis (day socket). In 110 patients treated with MOXX (average age approximately 55 years) in the post-onthopedic surgery pain study, the most commonly reported adverse experiences were constituted.

OVERDOSAGE

No overdoses of VIOXX were reported during dinical trials. Administration of single doses of VIOXX 1000 mg to 5 healthy volunteers and multiple doses of 250 mg/day for 16 days to 75 healthy volunteers did not result in serious toxicity.

In the event of overdose, it is researable to employ the usual supportive measures, e.g., remove unabsorbed metial trom the gestrointestinal tract, employ clinical monitoring, and institute supportive therapy, if required. Anotecopie is not removed by hemodalsystic it is not known whether references to semoved by permoneal dialysis.

DOSAGE AND ADMINISTRATION

VIDXX is administered orally. The lowest doze of VIOXX should be cought for each patient.

The recommended marring done of VIDXX is 12.5 mg once daily. Some patients may receive additional benefit by increasing the dose to 25 mg once daily. The maximum recommended daily dose is 25 mg.

Management of Acute Pain and Treatment of Primary Dysmenorrhea

Management or accure remains the property of painhar not been studied (see CUNICAL STUDIES. Analgesia, including dysmenorrhas).

VIOXX tablets may be taken with or without food

Oral Suspension
VIOXX Oral Suspension 12.5 mg/S mL or 25 mg/S mL may
be substituted for VIOXX Tablets 12.5 or 25 mg, respectively,
in any of the above indications. Shake before using.

VIDXX* (refecesib tablets and graf suspension)

No. 3810 - Tablets VIOXX. 12.5 mg, are cream/of-white, round, shallow cop tablets engraved MRK 7.4 on one side and VIOXX on the other. They are supplied as follower. NDC 0005-007-431 will of use bonder of 30 NDC 0005-007-428 will doze packages of 100 NDC 0005-007-480 bonder of 1000 NDC 0005-007-480 bonder of 1000 NDC 0005-0074-80 bonder of 8000.

No. 3811 - Tablets VIOXX, 25 mg, are yellow, round, lablets engraved MRK 110 on one side and VIOXX on the other. They are supplied at sollows.

NDE 0006-0110-31 unit of use bordes of 30 NDE 0006-0110-38 bordes of 100 NDE 0006-0110-58 bordes of 100 NDE 0006-0110-58 bordes of 1000 NDE 0006-0110-58 bordes of 1000

No. 3818 — Tablets VIDXX, 50 mg, are orange, round, tab-lets engraved MRK 114 on one cide and VIDXX on the other. They are supplied as follows: NDC 0006-D114-31 unit of use bonies of 30 NDC 0006-D114-23 unit dose packages of 100 NDC 0006-D114-69 bonies of 100 NDC 0006-D114-69 bonies of 500 NDC 0006-D114-69 bonies of 4000.

No. 3784 - Oral Suppendion VIDXX, 125 mg/5 ml, is an opaque, white to haint yellow suspension with a strawberry flower that is assily resuspended upon shaking.
NDD 0006-3784-64 unit of use bottles cantaining 150 ml.
1125 mg/5 ml.

No. 3785 - Dral Suspension VIOXX, 25 mg/5 mL, is an apaque, white to haint yellow suspension with a strawberry literar that is abally resultential upon thating.

**NOC 0006-3785-64 unit of use bottles containing 158 mL, 125 mg/5 mL)

Storage VIOXX Tablets:

NOXX Tablers:

Stors at 25°C (77°F), excursions garmined to 15-30°C (159-86°F), [Sae USP Controlled Room Temperature.]

NOXX Oral Suspension:

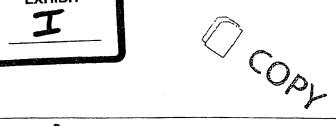
Stors at 25°C (77°F), excursions permitted to 15-30°C (59-80°F), [See USP Controlled Room Temperature.] flx only

MERCK & CO., INC., Whitehouse Station, NJ 08889, USA

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9183804





No. COX 01-030 May 23, 2001

Bulletin for VIOXX®: Action Required: Response to New York Times Article

TO:

All Field Representations with Responsibility for VIOXX Action Required All Hospital Representatives Action Required A & A Specialty Representatives Action Required A & A HSAs Action Required **Urology Representatives** Action Required Neurology Representatives Action Required Managed Care NAEs and Customer Managers Background Information (all segments)

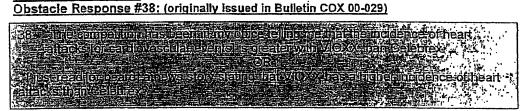
DO NOT INITIATE DISCUSSIONS ON THE RESULTS OF THE VIOXX® GI OUTCOMES RESEARCH (VIGOR) STUDY, OR ANY OF THE RECENT ARTICLES IN THE PRESS ON VIOXX, YOU MAY RESPOND TO CUSTOMER INQUIRIES ONLY AS OUTLINED BELOW.

PURPOSE:

To provide you with important background information, obstacle responses and faxable PIR instructions in the event that you are questioned by customers about the CV effects of VIOXX.

ACTIONS REQUIRED:

Obstacle Response #38: (originally issued in Bulletin COX 00-029)



"Doctor, there are no head-to-head studies comparing the cardiovascular profile of the two drugs. As a result, you cannot compare the drugs and conclude that one drug had fewer events than the other. What you may be referring to is press reports of the incidence rates in two separate studies. In the VIOXX GI Outcomes Trial (VIGOR), the incidence of MI was 0.5% with VIOXX and 0.1% with naproxen. In a separate GI outcomes trial of Celebrex, the CLASS study, Searle has reported that the incidence of MI was 0.5% with Celebrex, 0.3% with diclofenac, and 0.5% with ibuprofen. Again. doctor, I want to emphasize that the results of two different studies can't be compared, and that's particularly true here when you have studies of differing duration and in different patient populations."

If the doctor asks you further for the incidence of MI from the OA studies presented in the package insert for VIOXX tell them:

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER IN ABRUSLEY V. MERCK, et al. (02-0196 W.D. La.)

of MI

"In the clinical OA trials for VIOXX reported in our package insert, the incidence of MI was less than 0.1% with VIOXX."

Use your CV Card to show the data on studies involving VIOXX and various NSAIDs (ibuprofen, diclofenac, and nabumetone) on overall mortality and CV mortality rates

"Doctor, As you can see, Cardiovascular Mortality as reported in over 6,000 patients was VIOXX .1 vs. NSAIDs .8 vs. Placebo 0."

Physician Inquirles:

In response to <u>unsolicited</u> requests for information regarding the recent press releases, Medical Services will make a personalized, faxable PIR available for your customers within 24 hours. In addition, for those customers who request more detailed information, a separate, more comprehensive PIR packet can be Federal Expressed within 2 days.

Medical Services has made arrangements to extend the hours for the PIR hotline. Representatives should submit unsolicited PIR requests by either telephone or fax options by calling the PIR hotline 800MERCK66 (800-637-2566) during extended hours of 8:30 am to 6:30pm ET. During these hours, a staff member will verbally request the following information from you to process the PIR request from the HCP [After this time, the usual method options of INSIGHT, PIR hotline (800MERCK 66 — hours: 8:30 — 4:30pm ET) and fax can be followed]:

Faxable PIR Instructions:

- Your name, field title and RDT
- The requesting HCP's full name and professional degree
- HCP's full mailing address
- HCP's phone number
- HCP's FAX number
- Provide the question(s) asked by the HCP.

PIR Requests may also be sent to Medical Services from 4:30 pm — 8:30am ET by leaving a voice message at 800MERCK66. The information as listed above should be provided in your voice message to Medical Services staff. Additionally, PIR requests may be submitted to Medical Services in writing by sending a fax to 800MERCk68. The information listed above should be included on your fax to Medical Services.

- If requested, a PIR will be faxed within 24 hours of receiving the request.
- If the physician requests more comprehensive information on the cardiovascular safety profile of VIOXX, you may request the comprehensive PIR. This will be sent via Fed EX within 2 days.
- Transition your discussion to the current strategy and messages for VIOXX®.

7

ons by

Do not proactively discuss any of the recent press stories. Respond to questions by requesting a PIR and in accordance with the obstacle-handling guide.

This information is provided for your background information only and is not to be used in discussions with physicians. The following press release was issued in response to an article in Tuesday's New York Times on the cardiovascular effects of VIOXX.

Background Information:

Tuesday May 22, 1:21 pm Eastern Time

Press Release

SOURCE: Merck & Co., Inc.

Merck Confirms Favorable Cardiovascular Safety Profile of Vioxx(R)

UPPER GWYNEDD, Pa., May 22 /PRNewswire/ – In response to news and analyst reports of data the Company first released a year ago, Merck & Co., Inc. today reconfirmed the favorable cardiovascular safety profile of Vioxx® (rofecoxib), its medicine that selectively inhibits COX-2. Vioxx was approved by the Food and Drug Administration in May 1999 for the management of osteoarthritis and the relief of acute pain in adults based on efficacy and safety studies involving nearly 4,000 patients. More than 33 million prescriptions have been written for Vioxx in the United States since its introduction.

The results of the Vioxx Gastrointestinal Research study were first released in March 2000. Since that time, the data have been widely reported, published in The New England Journal of Medicine and discussed extensively by an FDA Advisory Committee.

In VIGOR, Vioxx 50 mg, a dose two-times the highest chronic dose approved for osteoarthritis, significantly reduced the risk of serious GI side effects by half compared to a commonly used dose of naproxen (1,000 mg) in rheumatoid arthritis patients. The Advisory Committee recommended that these results be included in the labeling for Vioxx. Vioxx is not indicated for rheumatoid arthritis.

Although the VIGOR study was a GI outcomes study and was not designed to show differences in cardiovascular effects, significantly fewer heart attacks were observed in patients taking naproxen (0.1 percent) compared to the group taking Vioxx 50 mg (0.5 percent) in this study. There was no difference in cardiovascular mortality between the groups treated with Vioxx or naproxen. Patients taking aspirin did not participate in VIGOR.

In extensive discussions, the Advisory Committee explored this finding, other studies of Vioxx and possible explanations for this result in VIGOR. In the completed osteoarthritis trials and on-going clinical trials with Vioxx 12.5 mg, 25 mg and 50 mg in 30,000 patients, there was no difference in the incidence of cardiovascular events, such as heart attacks, among patients taking Vioxx, other NSAIDs and placebo.

CONFIDENTIAL -- SUBJECT TO PROTECTIVE ORDER IN ABRUSLEY V. MERCK, et al. (02-0196 W.D. La.)

At the Advisory Committee meeting, Merck scientists said the VIGOR finding is consistent with naproxen's ability to block platelet aggregation by inhibiting COX-1 like aspirin, which is used to prevent second cardiac events in patients with a history of heart attack, stroke or other cardiac events. This is the first time this effect of naproxen on cardiovascular events has been observed in a clinical study. Other potential explanations were advanced by the FDA reviewer and were discussed with the Advisory Committee. The Committee recommended that the data on cardiovascular events in VIGOR be included in the labeling for Vioxx.

In addition, the Committee agreed that the prescribing information for both Vioxx and Celebrex® (celecoxib) should reflect the fact that neither of these selective NSAIDs confer cardioprotective benefits and are not a substitute for low-dose aspirin. The Committee also recommended that other studies be conducted to further explore the safety of concomitant use of selective NSAIDs and low-dose aspirin.

In a separate GI outcomes study in osteoarthritis and rheumatoid arthritis patients. celecoxib, another agent that selectively inhibits COX-2, was compared to the NSAIDs diclofenac and ibuprofen. Pharmacia, maker of celecoxib, has indicated that there were no differences among celecoxib, ibuprofen and diclofenac on these cardiovascular events. In Pharmacia's background package submitted to the FDA for the Advisorv Committee meeting, the incidence of patients taking celecoxib who experienced a heart attack was cited as 0.5 percent, 0.3 percent among diclofenac patients, and 0.5 percent among patients taking ibuprofen.

Remain focused on your efficacy messages for VIOXX. Remember that the primary attribute for physicians and patients is pain relief.

For product and service information, call the Merck National Service Center at 1-800-NSC MERCK (1-800-672-6372).

EXHIBIT

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No. CCX 01-031 May 24, 2001

Bulletin for VIOXX®: Action Required: REVISED Response to New York Times Article

TO:

All Field Representations with Responsibility for VIOXX

All Hospital Representatives

A & A Specialty Representatives

A & A HSAs

Urology Representatives

Neurology Representatives

Managed Care NAEs and Customer Managers

Action Required

Background Information

(all segments)

DO NOT INITIATE DISCUSSIONS ON THE RESULTS OF THE VIOXX® GI OUTCOMES RESEARCH (VIGOR) STUDY, OR ANY OF THE RECENT ARTICLES IN THE PRESS ON VIOXX. YOU MAY RESPOND TO CUSTOMER INQUIRIES ONLY AS OUTLINED BELOW.

PURPOSE:

To provide you with important background information, obstacle responses and faxable PIR instructions in the event that you are questioned by customers about the CV effects of VIOXX.

ACTIONS REQUIRED:

Obstacle Response #38: (originally issued in Bulletin COX 00-029)



"Doctor, there are no head-to-head studies comparing the cardiovascular profile of the two drugs. As a result, you cannot compare the drugs and conclude that one drug had fewer events than the offier. What you may be referring to is press reports of the incidence rates in two separate studies. In the VIOXX GI Outcomes Trial (VIGOR), the incidence of MI was 0.5% with VIOXX and 0.1% with naproxen. In a separate GI outcomes trial of Celebrex, the CLASS study, Searle has reported that the incidence of MI was 0.5% with Celebrex, 0.3% with diclofenac, and 0.5% with ibuprofen. Again, doctor, I want to emphasize that the results of two different studies can't be compared, and that's particularly true here when you have studies of differing duration and in different patient populations."

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER IN ABRUSLEY V. MERCK, et al. (02-0196 W.D. La.) If the doctor asks you further for the incidence of MI from the OA studies presented in the package insert for VIOXX tell them:

"In the clinical OA trials for VIOXX reported in our package insert, the incidence of MI was less than 0.1% with VIOXX."

Use your **CV** Card to show the data on studies involving VIOXX and various NSAIDs (ibuprofen, diclofenac, and nabumetone) on overall mortality and CV mortality rates

"Doctor, As you can see, Cardiovascular Mortality as reported in over 6,000 patients was VIOXX .1 vs. NSAIDs .8 vs. Placebo 0."

Physician Inquiries:

Reminder: In accordance with policy letters 110, 118, and 131, Field Personnel, including Professional Representatives, HSAs, Hospital Tablet Representatives, Specialty Representatives and NAEs may not discuss off-label information about VIOXX with health care professionals (HCP). In accordance with policy letter 104A, Field Personnel may submit PIRs to Medical Services when an HCP has an <u>unsolicited</u> request for information.

PURPOSE:

To provide you with toll free phone numbers for the one Fax PIR available from Medical Services in response to unsolicited requests for information from HCPs regarding VIOXX and Response to media reports about cardiovascular adverse events.

ACTION REQUIRED:

In response to <u>unsolicited</u> questions from HCPs, you may request PIRs from Medical Services by using EITHER the interactive voice response (IVR) same day fax service, or by using the usual PIR request methods as stated in policy 104A. PIRs requested via the IVR same day fax service will be provided as a "nonpersonalized" Dear Doctor Letter. Specific steps for using the IVR fax service are outlined below.

OVERVIEW:

1. IVR FAX METHOD -

Effective Thursday:5/243 pm ET, through close of business Friday, June 29, 2001 (excluding holidays), Medical Services will have one PIR available via fax to respond to the following type of inquiry:

• Fax = VIOXX and Response to Media Reports about Cardiovascular Adverse Events

In response to <u>unsolicited</u> questions about the above topics, the PIR — <u>VIOXX and Response</u> to <u>Media Reports about Cardiovascular Adverse Events</u> will be available from Medical Services via the interactive voice response (IVR) same day fax service and provided as a "nonpersonalized" Dear Doctor Letter.

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MRK-ABR 0017254

Copy.

Toll Free Fax PIR Request Telephone Number:

You may submit a HCPs request for a faxed PIR(s) by simply calling 1-877-372-7064.

This toll free phone number will be made available from 8:00am – 10:00pm (ET). Since this
line is an IVR system, a touch tone phone must be used in order to provide the pertinent
information needed as prompted in the system.

Please follow the detailed instructions outlined below for requesting the faxable "nonpersonalized" Dear Doctor Letter.

You should be prepared to provide the following pertinent information as prompted by the system:

- Your Region, District, and Territory identifier
- Requesting Physician's 5 digit ZIP code
- Requesting Physician's full name and professional degree (speak)
- · Requesting Physician's full mailing U.S. address (speak)
- Requesting Physician's phone number with area code
- Requesting Physician's FAX number with area code

Select the faxes requested by the physician:

FAX = VIOXX and Response to Media Reports about Cardiovascular Adverse Events

IMPORTANT NOTE: PIRS ARE NOT TO BE REPRODUCED IN ANY FORM!

This one fax will be sent directly to the requesting physician's office as "nonpersonalized" Dear Doctor Letter. This fax should arrive as soon as 15 minutes from the time of the request. You must leave a copy of the circular for VIOXX with the HCP. (Note: For pharmacists, nurses, and physician assistants, you may also want to send the 'Dear Doctor' letter.)

You also have the option to follow the usual procedure established for processing a PIR using the methods through Medical Services as stated in Policy 104A.

Toll Free IVR HELPLINE Telephone Number:

If you experience difficulty with the IVR system or if there is difficulty receiving the fax, representatives should call the IVR HELPLINE at 1-888-721-7204 (9:00 am to 7:00 pm ET)

- This number will be on the cover sheet of both faxes available to the physician.
- This number is staffed from 9:00 am to 7:00 pm ET.
- 2. ADDITIONAL OTHER PIRS FOR VIOXX ARE AVAILABLE FROM MEDICAL SERVICES IN RESPONSE TO <u>UNSOLICITED</u> INQUIRIES FROM HCPS BY USING THE USUAL METHODS TO SUBMIT PIRS AS STATED IN POLICY LETTER 104A.

The usual PIR request methods are (note: choose only one method for each request):

- INSIGHT and processing using the PIR screen;
- PIR hotline at 800-MERCK66 (8:30 am to 6:30 pm ET as extended hours) in Medical Services. This phone number is NOT to be given to an HCP, but is for Merck Field Personnel use only to verbally submit the questions asked by HCPs. PIR inquiries may be submitted to Medical Services 24 hours a day, 7 days a week with voice message available after hours (6:30pm to 8:30am ET).
- Faxing your request to Medical Services at 800-MERCK68.

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER IN ABRUSLEY V. MERCK, et al. (02-0196 W.D. La.) If a heaith care provider requests to speak with a Merck health care professional, the Merck National Service Center should be called at 800-NSCMERCK (business hours of 8:00 am to 7:00 pm ET; For emergency issues, Medical Services after-hours Call Coverage is 24 hours a day/ 7 days a week.)

m to 7:00 a day/ 7

Remember to always provide a balanced discussion consistent with the health care provider's knowledge of the product and the product prescribing information. Please continue to provide competitive and promotional feedback to the National Service Center (NSC). The NSC is staffed Monday through Friday, 8:00am to 7:00pm Eastern Time. Please contact the NSC at 1-800-NSC-MERCK or 1-800-672-6372.

For product and service information, call the Merck National Service Center at 1-800-NSC-Merck (1-800-672-6372).

<u>Do not proactively discuss any of the recent press stories</u>. Respond to questions by requesting a PIR and in accordance with the obstacle-handling guide.

This information is provided for your background information *only* and is not to be used in discussions with physicians. The following press release was issued in response to an article in Tuesday's New York Times on the cardiovascular effects of VIOXX.

Background Information:

Tuesday May 22, 1:21 pm Eastern Time

Press Release

SOURCE: Merck & Co., Inc.

Merck Confirms Favorable Cardiovascular Safety Profile of Vioxx(R)

UPPER GWYNEDD, Pa., May 22 /PRNewswire/ — In response to news and analyst reports of data the Company first released a year ago, Merck & Co., Inc. today reconfirmed the favorable cardiovascular safety profile of Vioxx® (rofecoxib), its medicine that selectively inhibits COX-2. Vioxx was approved by the Food and Drug Administration in May 1999 for the management of osteoarthritis and the relief of acute pain in adults based on efficacy and safety studies involving nearly 4,000 patients. More than 33 million prescriptions have been written for Vioxx in the United States since its introduction.

The results of the Vioxx Gastrointestinal Research study were first released in March 2000. Since that time, the data have been widely reported, published in The New England Journal of Medicine and discussed extensively by an FDA Advisory Committee.

In VIGOR, Vioxx 50 mg, a dose two-times the highest chronic dose approved for osteoarthritis, significantly reduced the risk of serious GI side effects by half compared to a commonly used dose of naproxen (1,000 mg) in rheumatoid arthritis patients. The Advisory Committee recommended that these results be included in the labeling for Vioxx. Vioxx is not indicated for rheumatoid arthritis.



Although the VIGOR study was a GI outcomes study and was not designed to show differences in cardiovascular effects, significantly fewer heart attacks were observed in patients taking naproxen (0.1 percent) compared to the group taking Vioxx 50 mg (0.5 percent) in this study. There was no difference in cardiovascular mortality between the groups treated with Vioxx or naproxen. Patients taking aspirin did not participate in VIGOR.

In extensive discussions, the Advisory Committee explored this finding, other studies of Vioxx and possible explanations for this result in VIGOR. In the completed osteoarthritis trials and on-going clinical trials with Vioxx 12.5 mg, 25 mg and 50 mg in 30,000 patients, there was no difference in the incidence of cardiovascular events, such as heart attacks, among patients taking Vioxx, other NSAIDs and placebo.

At the Advisory Committee meeting, Merck scientists said the VIGOR finding is consistent with naproxen's ability to block platelet aggregation by inhibiting COX-1 like aspirin, which is used to prevent second cardiac events in patients with a history of heart attack, stroke or other cardiac events. This is the first time this effect of naproxen on cardiovascular events has been observed in a clinical study. Other potential explanations were advanced by the FDA reviewer and were discussed with the Advisory Committee. The Committee recommended that the data on cardiovascular events in VIGOR be included in the labeling for Vioxx.

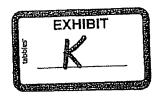
In addition, the Committee agreed that the prescribing information for both Vioxx and Celebrex® (celecoxib) should reflect the fact that neither of these selective NSAIDs confer cardioprotective benefits and are not a substitute for low-dose aspirin. The Committee also recommended that other studies be conducted to further explore the safety of concomitant use of selective NSAIDs and low-dose aspirin.

In a separate GI outcomes study in osteoarthritis and rheumatoid arthritis patients, celecoxib, another agent that selectively inhibits COX-2, was compared to the NSAIDs diclofenac and ibuprofen. Pharmacia, maker of celecoxib, has indicated that there were no differences among celecoxib, ibuprofen and diclofenac on these cardiovascular events. In Pharmacia's background package submitted to the FDA for the Advisory Committee meeting, the incidence of patients taking celecoxib who experienced a heart attack was cited as 0.5 percent, 0.3 percent among diclofenac patients, and 0.5 percent among patients taking ibuprofen.

Focus:

Remain focused on your efficacy messages for VIOXX. Remember that the primary attribute for physicians and patients is pain relief.

For product and service information, call the Merck National Service Center at 1-800-NSC MERCK (1-800-672-6372).





No. COX 99-033 Jun 03, 1999

Field Incentive Plan for VIOXX®

Group 4-6 Representatives Group B Business Managers Background Information Only Background Information Only

PURPOSE:

To review the existing field incentive plan for VIOXX® with you as well as announce an additional launch incentive for VIOXX®.

OVERVIEW:

You have three incentive opportunities for VIOXX®:

- (1) Traditional in-line monetary incentive program
- (2) Non-monetary incentive program (aka *003: License to Sell')
- (3) And now an additional launch incentive program

In-Line Monetary Incentive Program:

The in line bonus is fairly equally weighted between VIOXX®, SINGULAIR® and FOSAMAX®. Our goal with VIOXX® is to be the market leader in the market leading class. While there is no doubt that taking share away from Celebrex may be our sweetest victory, we should not limit ourselves to Celebrex. To become a true market leader, we're also going to have to focus our attention on traditional NSAIDS as well as new patient starts. You have a tremendous opportunity with VIOXX®; over plan performance will add substantially to your in-line product bonus pay out

Non-Monetary incentive Program (NMIP):

We are pleased to rollout the NMIP for VIOXX® to you. You will have the opportunity to earn the following NMIP AwardperQs moving forward:

- Approximately 1200 AwardperQs can be earned based on your performance at the National
- Future AwardperQs may be earned based on your market share performance with VIOXX® following launch.

Additionally, you have an opportunity to win a trip to the Caribbean aboard the cruise ship the Grand Princess, the largest, most expensive cruise ship ever built. If you and your Group B clustermates finish as the top cluster within your Region based on market share performance with VIOXX®, you can earn yourselves a spot on this "Top Performer Trip."

Please refer to VIOXX® bulletin COX99021 sent out on May 26 and the 003: License to Sell website on the FSNet for additional details on the program.

Additional Launch Incentive Program:



This is a group monetary incentive driven off market share with a cash payout. To qualify for the incentive, you must achieve 51 percent share of new prescriptions in the C2-SI market for one month by March of 2000 and maintain activity and performance levels for your other key brands—during the launch period for VIOXX. Achieve these goals, and you'll receive a \$2000 bonus on top of all other incentives. This bonus will be paid out to all members of the cluster (Groups I — VI) in the month following the month you achieve 51 percent share.

IF YOU HAVE ANY QUESTIONS ABOUT THIS BULLETIN, PLEASE CONTACT THE MERCK NATIONAL SERVICE CENTER AT 1-800-NSC-MERCK.

CONFIDENTIAL — SUBJECT TO— PROTECTIVE ORDER IN ABRUSLEY V. MERCK, et al. (02-0196 W.D. La.)

MRK-ABR 0018255





No. COX 99-034 Jun 04, 1999

Field Incentive Plan for VIOXX®

TO:
Group 1-3 Representatives
Hospital Representatives
A&A Specialists
Group A Business Managers
Hospital Managers
A&A Specialty Managers

Background Information Only Background Information Only

PURPOSE:

To announce an additional launch incentive for VIOXX® available to you.

OVERVIEW:

An additional launch incentive program is now available to you. This is a group monetary incentive driven off market share with a cash payout. To qualify for the incentive, you must achieve 51 percent share of new prescriptions in the C2-SI market for one month by March of 2000 and maintain activity and performance levels for your other key brands. Achieve these goals, and you'll receive a \$2000 bonus on top of all other incentives. This bonus will be paid out to all members of the cluster (Groups 1 – 6) in the month following the month you earn it

Your management team will review this program with you at your upcoming District Launch Meeting.

IF YOU HAVE ANY QUESTIONS ABOUT THIS BULLETIN, PLEASE CONTACT THE MERCK NATIONAL SERVICE CENTER AT 1-800-NSC-MERCK.

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(02-0198 W.D. La.)



No. COX 99-035 Jun 08, 1999

Promotional Resources for VIOXX®

TO:

Group 1 - 6 Representatives

Hospital Representatives

Action Required
A&A Specialists

Long Term Care Specialists

Kalser Specialists

Action Required
Action Required
Action Required
Action Required

PURPOSE:

To support your resource needs for VIOXX®in the coming weeks, beginning the week of June 7 and extending through mid-July, you will receive direct shipments of promotional resources to use in discussions on VIOXX® with your physicians.

OVERVIEW:

Promotional Resources being direct shipped:

- ⇒ Annotated Pls (9915211)
- ⇒ Branded Pens (995332)
- ⇒ Branded Sticky Pads (9947131)
- ⇒ PI Fold-Out Cards (991529)

Delivery Schedule and Contents:

- ⇒ Week of June 7:
 - Groups 4-6 Representatives, Hospital Specialty Tablet Representatives and A&A Specialists will receive a supply of branded pens, branded sticky pads and annotated Pls.
 - Group 1-3 Representatives, Hospital CV Tablet Representatives, Acute Care Representatives, Long Term Care Representatives and Kaiser Representatives will receive a supply of annotated Pis
- ⇒ Weeks of June 14, June 23, June 30:
 - Group 1-6 Representatives, Hospital Specialty and CV Tablet Representatives, Acute
 Care Specialists, A&A Specialists, Long Term Care Specialists, Kaiser Specialists will
 receive a supply of branded pens, branded sticky pads and PI Fold-Out Cards*
 "Note: PI Fold-Out Cards will be shipped as soon as available, possibly as early as
 June 14
- ⇒ Mid-July:
 - Group 1-6 Representatives, Hospital Table Specialists, Acute Care Specialists, A&A Specialists, Long Term Care Specialists, Kalser Specialists will receive a supply of branded pens, branded sticky pads and PI Fold-Out Cards

ACTION REQUIRED:

Early this week you received an initial supply of the annotated PIs for VIOXX®. The week of June 7, you will receive your second and <u>final</u> supply of the annotated PIs for VIOXX®. Over the next few weeks, you should use this piece in all your discussions on VIOXX® with physicians. Please remember, however, that by next week you will have received your entire supply of annotated PIs. Therefore it is important that you work with your clustermates to effectively manage this resource and selectively leave this piece with physicians.